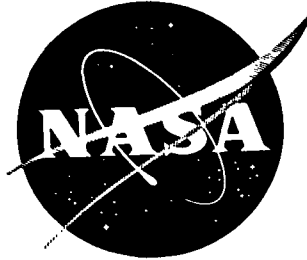


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INTERPOLATION CONSTANTS FOR CALCULATION  
OF TRANSMITTANCE AND RATE OF DISSOCIATION  
OF MOLECULAR OXYGEN IN THE MESOSPHERE  
AND LOWER THERMOSPHERE

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INTERPOLATION CONSTANTS FOR CALCULATION  
OF TRANSMITTANCE AND RATE OF DISSOCIATION  
OF MOLECULAR OXYGEN IN THE MESOSPHERE  
AND LOWER THERMOSPHERE

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## ABSTRACT

Values of band oscillator strengths and rotational line widths for the Schumann-Runge band system have been used to derive interpolation constants from which the transmittance and rate of dissociation of molecular oxygen can be calculated. These constants, valid for temperatures between 150° and 300° K and for column densities between  $1 \times 10^{17} \text{ cm}^{-2}$  and  $7 \times 10^{24} \text{ cm}^{-2}$ , cover the wavelength range 1750 to 2050 Å.

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INTERPOLATION CONSTANTS FOR CALCULATION  
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By Robert D. Hudson and Stephen H. Mahle  
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SUMMARY

This report contains tables of interpolation constants from which the transmittance and rate of dissociation of molecular oxygen between 1750 and 2050 Å can be derived. These constants are based upon recent values of the band oscillator strengths and rotational line widths that have been obtained by the authors. Values of the constants that are given cover temperatures between 150° and 300° K and column densities between  $1 \times 10^{17} \text{ cm}^{-2}$  and  $7 \times 10^{24} \text{ cm}^{-2}$ .

INTRODUCTION

In a recent paper, Hudson and Mahle (ref. 1) used values of band oscillator strengths and rotational line widths for the Schumann-Runge band system that they had recently obtained to calculate the photodissociation rate of molecular oxygen by solar radiation between 1025 and 2500 Å in the altitude range of 40 to 120 kilometers. For the wavelength region between 1750 and 2050 Å, values of the transmittance and rate of dissociation were used that had been averaged over wavelength intervals corresponding in most cases to intervals between band heads of the Schumann-Runge system. This report contains interpolation constants from which these averaged quantities can be calculated for temperatures between 150° and 300° K, and for column densities between  $1 \times 10^{17} \text{ cm}^{-2}$  and  $7 \times 10^{24} \text{ cm}^{-2}$ .

## DISCUSSION

The transmittance and rate of dissociation are two quantities generally required in calculating the effect of the absorption of solar radiation in the atmosphere. The transmittance  $\tau(\lambda)$  of solar radiation at a given column density  $N$  is given by

$$\tau(\lambda) = \exp\left[-N\sigma_T(\lambda)\right] \quad (1)$$

and the rate of dissociation, which Hudson et al. (ref. 2) have denoted by the symbol  $\chi(\lambda)$ , is given by

$$\chi(\lambda) = \frac{\sigma_D}{\sigma_T} \exp\left[-N\sigma_T(\lambda)\right] \quad (2)$$

where  $\sigma_T$  is the total absorption cross section, and  $\sigma_D$  is the partial cross section leading to dissociation.

Hudson et al. (ref. 2) obtained values of  $\chi$  that had been averaged over wavelength intervals that correspond, in most cases, to intervals between the band heads of the  $v'' = 0$  and  $v' = 2$  to 17 transitions. For many aeronomic computations, these averaged values have been found to be quite sufficient; therefore, the quantities  $\tau(\lambda_i - \lambda_f, N)$  and  $\chi(\lambda_i - \lambda_f, N)$  have been calculated where

$$\tau(\lambda_i - \lambda_f, N) = \frac{\int_{\lambda_i}^{\lambda_f} \exp\left[-N\sigma_T(\lambda)\right] d\lambda}{\int_{\lambda_i}^{\lambda_f} d\lambda} \quad (3)$$

and

$$\chi(\lambda_i - \lambda_f, N) = \frac{\int_{\lambda_i}^{\lambda_f} \frac{\sigma_D(\lambda)}{\sigma_T(\lambda)} \exp\left[-N\sigma_T(\lambda)\right] d\lambda}{\int_{\lambda_i}^{\lambda_f} d\lambda} \quad (4)$$

at temperatures of 150°, 200°, 250°, and 300° K. The variation of  $\tau$  and  $\chi$  with temperature is smooth and, within an accuracy of  $\pm 1.0$  percent, can be fitted for a given wavelength interval by using the following empirical relationships.

$$\ln [\tau(N, T)] = A + B(T - 150) + C(T - 150)^2 \quad (5)$$

$$\ln [\chi(N, T)] = D + E(T - 150) + F(T - 150)^2 \quad (6)$$

The calculated values of these constants, as functions of column density for wavelength intervals between 1750 and 2050 Å, are given in table I.

### CONCLUDING REMARKS

In the following table, for values of  $\tau$  less than  $10^{-4}$ , the calculations become very sensitive to the choice of input parameters, and no significance can be attached to the results. For this reason, no values of  $\tau$  less than  $10^{-4}$  have been given. The calculations were not performed for wavelengths greater than 2050 Å; because, beyond this point, the contribution from the bands is negligible at temperatures below 300° K, and a pure continuum cross section can be assumed.

Manned Spacecraft Center  
National Aeronautics and Space Administration  
Houston, Texas, January 11, 1972  
185-47-32-02-72

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TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION

(a) Wavelength interval from 1750.0 to 1763.2 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.2452-01	.1977-04	-.7928-08	-.4290+02	-.7393-03	-.7710-07
.2000+18	-.4839-01	.3696-04	-.1061-07	-.4294+02	-.6388-03	-.2445-06
.3000+18	-.7169-01	.5191-04	-.8924-08	-.4294+02	-.5491-03	-.3852-06
.4000+18	-.9444-01	.6491-04	-.3649-08	-.4304+02	-.4689-03	-.5027-06
.5000+18	-.1167+00	.7622-04	.4575-08	-.4308+02	-.3973-03	-.5998-06
.6000+18	-.1385+00	.8606-04	.1522-07	-.4312+02	-.3334-03	-.6793-06
.7000+18	-.1599+00	.9461-04	.2782-07	-.4316+02	-.2763-03	-.7434-06
.8000+18	-.1808+00	.1020-03	.4204-07	-.4320+02	-.2254-03	-.7946-06
.9000+18	-.2014+00	.1085-03	.5753-07	-.4324+02	-.1800-03	-.8340-06
.1000+19	-.2217+00	.1141-03	.7404-07	-.4328+02	-.1395-03	-.8638-06
.2000+19	-.4096+00	.1405-03	.2616-06	-.4359+02	.8847-04	-.8528-06
.3000+19	-.5792+00	.1429-03	.4459-06	-.4384+02	.1604-03	-.6466-06
.4000+19	-.7371+00	.1380-03	.6130-06	-.4406+02	.1820-03	-.4336-06
.5000+19	-.8867+00	.1304-03	.7660-06	-.4426+02	.1882-03	-.2522-06
.6000+19	-.1030+01	.1215-03	.9104-06	-.4444+02	.1905-03	-.1026-06
.7000+19	-.1168+01	.1113-03	.1050-05	-.4462+02	.1924-03	.2284-07
.8000+19	-.1301+01	.9976-04	.1188-05	-.4478+02	.1944-03	.1328-06
.9000+19	-.1430+01	.8668-04	.1327-05	-.4494+02	.1965-03	.2337-06
.1000+20	-.1555+01	.7200-04	.1466-05	-.4510+02	.1980-03	.3305-06
.2000+20	-.2649+01	-.1548-03	.2942-05	-.4642+02	.1334-03	.1412-05
.3000+20	-.3544+01	-.4617-03	.4396-05	-.4749+02	.8010-04	.2750-05
.4000+20	-.4323+01	-.7752-03	.5668-05	-.4838+02	.3672-03	.4097-05
.5000+20	-.5031+01	-.1066-02	.6745-05	-.4916+02	-.6660-03	.5307-05
.6000+20	-.5694+01	-.1326-02	.7661-05	-.4988+02	-.9489-03	.6356-05
.7000+20	-.6327+01	-.1560-02	.8456-05	-.5055+02	-.1208-02	.7264-05
.8000+20	-.6938+01	-.1771-02	.9161-05	-.5119+02	-.1442-02	.8059-05
.9000+20	-.7535+01	-.1963-02	.9801-05	-.5181+02	-.1654-02	.8768-05
.1000+21	-.8110+01	-.2139-02	.1039-04	-.5242+02	-.1848-02	.9410-05

(b) Wavelength interval from 1763.2 to 1768.6 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.2133-01	-.1065-04	.6075-07	-.4306+02	.6176-03	-.3119-05
.2000+18	-.4132-01	-.2568-04	.1317-06	-.4314+02	.8290-03	-.3661-05
.3000+18	-.6016-01	-.4397-04	.2995-06	-.4321+02	.1005-02	-.4097-05
.4000+18	-.7796-01	-.6464-04	.2917-06	-.4329+02	.1149-02	-.4438-05
.5000+18	-.9487-01	-.8697-04	.3763-06	-.4335+02	.1265-02	-.4698-05
.6000+18	-.1110+00	-.1104-03	.4620-06	-.4342+02	.1356-02	-.4886-05
.7000+18	-.1264+00	-.1345-03	.5476-06	-.4347+02	.1424-02	-.5014-05
.8000+18	-.1411+00	-.1590-03	.6325-06	-.4353+02	.1475-02	-.5092-05
.9000+18	-.1553+00	-.1835-03	.7160-06	-.4358+02	.1509-02	-.5128-05
.1000+19	-.1690+00	-.2079-03	.7979-06	-.4363+02	.1529-02	-.5130-05
.2000+19	-.2866+00	-.4286-03	.1508-05	-.4400+02	.1354-02	-.4342-05
.3000+19	-.3836+00	-.6004-03	.2061-05	-.4424+02	.1015-02	-.3385-05
.4000+19	-.4694+00	-.7368-03	.2520-05	-.4443+02	.7159-03	-.2573-05
.5000+19	-.5481+00	-.8494-03	.2915-05	-.4458+02	.4696-03	-.1861-05
.6000+19	-.6217+00	-.9453-03	.3262-05	-.4471+02	.2664-03	-.1228-05
.7000+19	-.6914+00	-.1029-02	.3572-05	-.4483+02	.9727-04	-.6670-06
.8000+19	-.7579+00	-.1104-02	.3852-05	-.4494+02	-.4512-04	-.1719-06
.9000+19	-.8219+00	-.1171-02	.4108-05	-.4504+02	-.1667-03	.2657-06
.1000+20	-.8837+00	-.1234-02	.4345-05	-.4514+02	-.2722-03	.6548-06
.2000+20	-.1427+01	-.1703-02	.6143-05	-.4588+02	-.9411-03	.3216-05
.3000+20	-.1895+01	-.2040-02	.7433-05	-.4646+02	-.1395-02	.4036-05
.4000+20	-.2324+01	-.2297-02	.8436-05	-.4696+02	-.1768-02	.6336-05
.5000+20	-.2726+01	-.2491-02	.9216-05	-.4741+02	-.2076-02	.7509-05
.6000+20	-.3110+01	-.2631-02	.9807-05	-.4784+02	-.2326-02	.8481-05
.7000+20	-.3478+01	-.2727-02	.1024-04	-.4825+02	-.2520-02	.9268-05
.8000+20	-.3835+01	-.2786-02	.1053-04	-.4863+02	-.2666-02	.9885-05
.9000+20	-.4181+01	-.2815-02	.1071-04	-.4901+02	-.2770-02	.1035-04
.1000+21	-.4518+01	-.2821-02	.1079-04	-.4937+02	-.2838-02	.1069-04
.2000+21	-.7587+01	-.2334-02	.9020-05	-.5258+02	-.2547-02	.9028-05

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(c) Wavelength interval from 1768.6 to 1774.6 Å

COLUMN DENSITY	A	R	C	D	E	F
.1000+18	-.1432-01	-.2408-04	.6066-07	-.4346+02	.1758-02	-.4672-05
.2000+18	-.2754-01	-.5050-04	.1248-06	-.4354+02	.2001-02	-.5236-05
.3000+18	-.3991-01	-.7844-04	.1904-06	-.4363+02	.2207-02	-.5693-05
.4000+18	-.5144-01	-.1073-03	.2561-06	-.4370+02	.2379-02	-.6057-05
.5000+18	-.6227-01	-.1366-03	.3204-06	-.4377+02	.2520-02	-.6340-05
.6000+18	-.7249-01	-.1660-03	.3841-06	-.4384+02	.2634-02	-.6552-05
.7000+18	-.8217-01	-.1953-03	.4454-06	-.4390+02	.2725-02	-.6706-05
.8000+18	-.9138-01	-.2243-03	.5045-06	-.4396+02	.2795-02	-.6811-05
.9000+18	-.1002+00	-.2529-03	.5614-06	-.4401+02	.2849-02	-.6877-05
.1000+19	-.1086+00	-.2809-03	.6160-06	-.4406+02	.2887-02	-.6913-05
.2000+19	-.1789+00	-.5295-03	.1066-05	-.4442+02	.2865-02	-.6645-05
.3000+19	-.2351+00	-.7327-03	.1426-05	-.4465+02	.2659-02	-.6432-05
.4000+19	-.2839+00	-.9091-03	.1757-05	-.4481+02	.2460-02	-.6370-05
.5000+19	-.3282+00	-.1068-02	.2077-05	-.4494+02	.2273-02	-.6302-05
.6000+19	-.3693+00	-.1214-02	.2391-05	-.4505+02	.2091-02	-.6174-05
.7000+19	-.4080+00	-.1351-02	.2697-05	-.4514+02	.1912-02	-.5983-05
.8000+19	-.4444+00	-.1478-02	.2996-05	-.4522+02	.1736-02	-.5742-05
.9000+19	-.4801+00	-.1599-02	.3287-05	-.4530+02	.1565-02	-.5464-05
.1000+20	-.5141+00	-.1713-02	.3564-05	-.4537+02	.1399-02	-.5159-05
.2000+20	-.8078+00	-.2613-02	.5937-05	-.4589+02	.1767-04	-.1757-05
.3000+20	-.1054+01	-.3247-02	.7634-05	-.4627+02	-.1001-02	.1253-05
.4000+20	-.1274+01	-.3729-02	.8864-05	-.4659+02	-.1792-02	.3658-05
.5000+20	-.1477+01	-.4111-02	.9786-05	-.4686+02	-.2421-02	.5642-05
.6000+20	-.1667+01	-.4425-02	.1048-04	-.4711+02	-.2928-02	.7007-05
.7000+20	-.1848+01	-.4689-02	.1101-04	-.4733+02	-.3343-02	.8147-05
.8000+20	-.2022+01	-.4919-02	.1143-04	-.4754+02	-.3687-02	.9035-05
.9000+20	-.2190+01	-.5123-02	.1176-04	-.4774+02	-.3979-02	.9733-05
.1000+21	-.2353+01	-.5308-02	.1203-04	-.4793+02	-.4231-02	.1029-04
.2000+21	-.3831+01	-.6716-02	.1340-04	-.4956+02	-.5847-02	.1249-04
.3000+21	-.5175+01	-.7896-02	.1443-04	-.5096+02	-.7034-02	.1337-04
.4000+21	-.6456+01	-.9028-02	.1571-04	-.5228+02	-.8162-02	.1445-04
.5000+21	-.7700+01	-.1013-01	.1714-04	-.5355+02	-.9269-02	.1581-04
.6000+21	-.8912+01	-.1110-01	.1874-04	-.5478+02	-.1035-01	.1735-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE

AND RATE OF DISSOCIATION - Continued

(d) Wavelength interval from 1774.6 to 1782.6 Å

COLUMN DENSITY	A	R	C	D	E	F
.1000+18	-.9702-02	-.1920-04	.2026-07	-.4395+02	.2493-02	-.4155-05
.2000+18	-.1762-01	-.4270-04	.4668-07	-.4414+02	.3231-02	-.5734-05
.3000+18	-.2429-01	-.6715-04	.7145-07	-.4430+02	.3739-02	-.6636-05
.4000+18	-.3007-01	-.9110-04	.9163-07	-.4444+02	.4071-02	-.7053-05
.5000+18	-.3520-01	-.1139-03	.1067-06	-.4455+02	.4275-02	-.7156-05
.6000+18	-.3983-01	-.1354-03	.1172-06	-.4465+02	.4392-02	-.7080-05
.7000+18	-.4400-01	-.1556-03	.1239-06	-.4473+02	.4452-02	-.6919-05
.8000+18	-.4802-01	-.1745-03	.1276-06	-.4480+02	.4478-02	-.6734-05
.9000+18	-.5173-01	-.1924-03	.1291-06	-.4486+02	.4483-02	-.6557-05
.1000+19	-.5524-01	-.2093-03	.1291-06	-.4492+02	.4476-02	-.6407-05
.2000+19	-.8398-01	-.3477-03	.1071-06	-.4525+02	.4338-02	-.6126-05
.3000+19	-.1069+00	-.4579-03	.9345-07	-.4543+02	.4191-02	-.6279-05
.4000+19	-.1270+00	-.5536-03	.9025-07	-.4556+02	.4031-02	-.6309-05
.5000+19	-.1453+00	-.6396-03	.9327-07	-.4566+02	.3877-02	-.6280-05
.6000+19	-.1622+00	-.7184-03	.1003-06	-.4574+02	.3734-02	-.6239-05
.7000+19	-.1782+00	-.7916-03	.1104-06	-.4581+02	.3604-02	-.6201-05
.8000+19	-.1934+00	-.8605-03	.1229-06	-.4588+02	.3484-02	-.6169-05
.9000+19	-.2079+00	-.9257-03	.1375-06	-.4593+02	.3373-02	-.6142-05
.1000+20	-.2219+00	-.9878-03	.1534-06	-.4598+02	.3270-02	-.6119-05
.2000+20	-.3424+00	-.1505-02	.1805-06	-.4633+02	.2461-02	-.5911-05
.3000+20	-.4439+00	-.1916-02	.6554-06	-.4656+02	.1854-02	-.5563-05
.4000+20	-.5351+00	-.2271-02	.9377-06	-.4674+02	.1354-02	-.5178-05
.5000+20	-.6196+00	-.2588-02	.1220-05	-.4689+02	.9266-03	-.4829-05
.6000+20	-.6992+00	-.2879-02	.1502-05	-.4702+02	.5480-03	-.4519-05
.7000+20	-.7750+00	-.3150-02	.1786-05	-.4714+02	.2040-03	-.4235-05
.8000+20	-.8477+00	-.3406-02	.2072-05	-.4725+02	-.1146-03	-.3967-05
.9000+20	-.9180+00	-.3649-02	.2362-05	-.4735+02	-.4136-03	-.3707-05
.1000+21	-.9861+00	-.3880-02	.2656-05	-.4745+02	-.6970-03	-.3450-05
.2000+21	-.1593+01	-.5793-02	.5769-05	-.4823+02	-.3038-02	-.6700-06
.3000+21	-.2125+01	-.7240-02	.8906-05	-.4886+02	-.4872-02	.2720-05
.4000+21	-.2616+01	-.8379-02	.1168-04	-.4941+02	-.6353-02	.6226-05
.5000+21	-.3083+01	-.9302-02	.1396-04	-.4992+02	-.7550-02	.9374-05
.6000+21	-.3532+01	-.1007-01	.1577-04	-.5040+02	-.8527-02	.1200-04
.7000+21	-.3970+01	-.1074-01	.1718-04	-.5086+02	-.9345-02	.1410-04
.8000+21	-.4398+01	-.1133-01	.1828-04	-.5131+02	-.1005-01	.1577-04
.9000+21	-.4819+01	-.1187-01	.1913-04	-.5175+02	-.1067-01	.1709-04
.1000+22	-.5235+01	-.1236-01	.1979-04	-.5217+02	-.1123-01	.1812-04

TABLE I.- INTERPOLATION CONSTANTS FOR

CALCULATION OF TRANSMITTANCE

AND RATE OF DISSOCIATION - Continued

(e) Wavelength interval from 1782.6 to 1792.6 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.8189-02	-.9714-05	.3125-08	-.4410+02	.1556-02	-.1789-05
.2000+18	-.1497-01	-.2291-04	.1421-07	-.4428+02	.2148-02	-.3093-05
.3000+18	-.2072-01	-.3725-04	.2684-07	-.4443+02	.2546-02	-.3813-05
.4000+18	-.2573-01	-.5152-04	.3816-07	-.4457+02	.2791-02	-.4103-05
.5000+18	-.3017-01	-.6512-04	.4706-07	-.4468+02	.2922-02	-.4097-05
.6000+18	-.3417-01	-.7779-04	.5341-07	-.4478+02	.2974-02	-.3808-05
.7000+18	-.3783-01	-.8950-04	.5743-07	-.4487+02	.2972-02	-.3618-05
.8000+18	-.4121-01	-.1003-03	.5952-07	-.4495+02	.2935-02	-.3283-05
.9000+18	-.4437-01	-.1102-03	.6005-07	-.4501+02	.2879-02	-.2941-05
.1000+19	-.4735-01	-.1193-03	.5934-07	-.4507+02	.2813-02	-.2612-05
.2000+19	-.7103-01	-.1840-03	.2445-07	-.4546+02	.2262-02	-.6358-06
.3000+19	-.8907-01	-.2266-03	.2376-07	-.4568+02	.2051-02	-.1454-06
.4000+19	-.1083+00	-.2607-03	.7491-07	-.4584+02	.1979-02	.5194-06
.5000+19	-.1177+00	-.2906-03	.1265-06	-.4596+02	.1955-02	.6051-06
.6000+19	-.1300+00	-.3178-03	.1772-06	-.4605+02	.1946-02	.7743-06
.7000+19	-.1413+00	-.3432-03	.2268-06	-.4613+02	.1939-02	.8074-06
.8000+19	-.1514+00	-.3670-03	.2751-06	-.4620+02	.1930-02	.8179-06
.9000+19	-.1619+00	-.3897-03	.3221-06	-.4627+02	.1918-02	.8167-06
.1000+20	-.1714+00	-.4114-03	.3679-06	-.4632+02	.1905-02	.8086-06
.2000+20	-.2512+00	-.5929-03	.7743-06	-.4668+02	.1720-02	.6229-06
.3000+20	-.3161+00	-.7380-03	.1115-05	-.4689+02	.1535-02	.3188-06
.4000+20	-.3736+00	-.8662-03	.1406-05	-.4705+02	.1368-02	-.7958-07
.5000+20	-.4264+00	-.9817-03	.1653-05	-.4717+02	.1213-02	-.5095-06
.6000+20	-.4760+00	-.1089-02	.1864-05	-.4727+02	.1068-02	-.9258-06
.7000+20	-.5233+00	-.1189-02	.2043-05	-.4736+02	.9298-03	-.1305-05
.8000+20	-.5687+00	-.1285-02	.2197-05	-.4744+02	.7969-03	-.1637-05
.9000+20	-.6126+00	-.1376-02	.2330-05	-.4752+02	.6688-03	-.1923-05
.1000+21	-.6553+00	-.1463-02	.2447-05	-.4759+02	.5451-03	-.2166-05
.2000+21	-.1042+01	-.2187-02	.3152-05	-.4812+02	-.4896-03	-.3224-05
.3000+21	-.1388+01	-.2747-02	.3609-05	-.4854+02	.1259-02	-.3496-05
.4000+21	-.1715+01	-.3215-02	.4047-05	-.4892+02	.1877-02	-.3683-05
.5000+21	-.2027+01	-.3620-02	.4509-05	-.4927+02	.2400-02	-.3896-05
.6000+21	-.2330+01	-.3970-02	.5006-05	-.4960+02	.2855-02	-.4166-05
.7000+21	-.2626+01	-.4302-02	.5537-05	-.4991+02	.3258-02	-.4500-05
.8000+21	-.2915+01	-.4597-02	.6099-05	-.5022+02	.3620-02	-.4894-05
.9000+21	-.3200+01	-.4869-02	.6684-05	-.5052+02	.3948-02	-.5341-05
.1000+22	-.3481+01	-.5122-02	.7288-05	-.5081+02	.4249-02	-.5831-05
.2000+22	-.6151+01	-.7053-02	.1364-04	-.5356+02	.6438-02	-.1174-04
.3000+22	-.8680+01	-.8450-02	.1979-04	-.5613+02	.7949-02	-.1786-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(f) Wavelength interval from 1792.6 to 1803.6 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.5844-02	-.4093-05	-.4076-08	-.4433+02	.7864-03	-.2112-07
.2000+18	-.1136-01	-.9143-05	-.4796-08	-.4439+02	.9834-03	-.6264-06
.3000+18	-.1658-01	-.1498-04	-.2754-08	-.4445+02	.1165-02	-.1181-05
.4000+18	-.2152-01	-.2144-04	.1536-08	-.4451+02	.1332-02	-.1687-05
.5000+18	-.2621-01	-.2839-04	.7612-08	-.4456+02	.1485-02	-.2146-05
.6000+18	-.3068-01	-.3574-04	.1513-07	-.4462+02	.1624-02	-.2562-05
.7000+18	-.3494-01	-.4332-04	.2377-07	-.4467+02	.1750-02	-.2937-05
.8000+18	-.3900-01	-.5123-04	.3329-07	-.4472+02	.1865-02	-.3273-05
.9000+18	-.4290-01	-.5923-04	.4350-07	-.4476+02	.1967-02	-.3573-05
.1000+19	-.4663-01	-.6732-04	.5414-07	-.4481+02	.2059-02	-.3839-05
.2000+19	-.7732-01	-.1463-03	.1657-06	-.4518+02	.2530-02	-.5154-05
.3000+19	-.1005+00	-.2134-03	.2614-06	-.4543+02	.2539-02	-.5194-05
.4000+19	-.1196+00	-.2683-03	.3387-06	-.4561+02	.2394-02	-.4893-05
.5000+19	-.1362+00	-.3138-03	.4033-06	-.4575+02	.2221-02	-.4581-05
.6000+19	-.1511+00	-.3526-03	.4600-06	-.4586+02	.2063-02	-.4339-05
.7000+19	-.1647+00	-.3865-03	.5114-06	-.4596+02	.1932-02	-.4167-05
.8000+19	-.1773+00	-.4169-03	.5593-06	-.4604+02	.1825-02	-.4050-05
.9000+19	-.1892+00	-.4445-03	.6047-06	-.4611+02	.1738-02	-.3969-05
.1000+20	-.2004+00	-.4700-03	.6481-06	-.4617+02	.1668-02	-.3911-05
.2000+20	-.2907+00	-.6662-03	.1015-05	-.4661+02	.1361-02	-.3584-05
.3000+20	-.3602+00	-.8167-03	.1301-05	-.4688+02	.1265-02	-.3301-05
.4000+20	-.4180+00	-.9480-03	.1539-05	-.4708+02	.1212-02	-.3076-05
.5000+20	-.4708+00	-.1068-02	.1745-05	-.4724+02	.1168-02	-.2898-05
.6000+20	-.5179+00	-.1181-02	.1929-05	-.4737+02	.1123-02	-.2745-05
.7000+20	-.5614+00	-.1288-02	.2097-05	-.4748+02	.1073-02	-.2603-05
.8000+20	-.6022+00	-.1391-02	.2252-05	-.4759+02	.1017-02	-.2469-05
.9000+20	-.6407+00	-.1489-02	.2396-05	-.4768+02	.9577-03	-.2340-05
.1000+21	-.6773+00	-.1584-02	.2532-05	-.4776+02	.8947-03	-.2218-05
.2000+21	-.9848+00	-.2416-02	.3648-05	-.4834+02	.2197-03	-.1268-05
.3000+21	-.1238+01	-.3127-02	.4571-05	-.4873+02	-.4423-03	-.4113-06
.4000+21	-.1466+01	-.3770-02	.5382-05	-.4904+02	-.1079-02	.4807-06
.5000+21	-.1677+01	-.4366-02	.6101-05	-.4932+02	-.1689-02	.1349-05
.6000+21	-.1877+01	-.4925-02	.6743-05	-.4956+02	-.2272-02	.2159-05
.7000+21	-.2068+01	-.5455-02	.7322-05	-.4979+02	-.2828-02	.2900-05
.8000+21	-.2252+01	-.5961-02	.7849-05	-.5001+02	-.3361-02	.3579-05
.9000+21	-.2432+01	-.6447-02	.8334-05	-.5022+02	-.3873-02	.4201-05
.1000+22	-.2607+01	-.6916-02	.8782-05	-.5041+02	-.4367-02	.4776-05
.2000+22	-.4216+01	-.1103-01	.1200-04	-.5215+02	.8664-02	.8868-05
.3000+22	-.5700+01	-.1457-01	.1397-04	-.5368+02	-.1232-01	.1132-04
.4000+22	-.7125+01	-.1784-01	.1536-04	-.5514+02	-.1566-01	.1300-04
.5000+22	-.8515+01	-.2093-01	.1640-04	-.5655+02	-.1880-01	.1424-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE

AND RATE OF DISSOCIATION - Continued

(g) Wavelength interval from 1803.6 to 1816.4 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.4251-02	.4816-06	-.1104-07	-.4462+02	-.5619-04	.2334-05
.2000+18	-.8421-02	.5701-06	-.2087-07	-.4464+02	.3557-04	.2068-05
.3000+18	-.1251-01	.2893-06	-.2959-07	-.4467+02	.1250-03	.1811-05
.4000+18	-.1653-01	-.3427-06	-.3726-07	-.4469+02	.2121-03	.1560-05
.5000+18	-.2048-01	-.1304-05	-.4395-07	-.4471+02	.2970-03	.1318-05
.6000+18	-.2435-01	-.2575-05	-.4974-07	-.4473+02	.3796-03	.1083-05
.7000+18	-.2815-01	-.4145-05	-.5463-07	-.4476+02	.4600-03	.8560-06
.8000+18	-.3189-01	-.5992-05	-.5873-07	-.4478+02	.5383-03	.6358-06
.9000+18	-.3556-01	-.8099-05	-.6204-07	-.4480+02	.6144-03	.4228-06
.1000+19	-.3917-01	-.1046-04	-.6471-07	-.4482+02	.6884-03	.2167-06
.2000+19	-.7216-01	-.4475-04	-.6159-07	-.4501+02	.1323-02	-.1496-05
.3000+19	-.1005+00	-.9164-04	-.2637-07	-.4518+02	.1792-02	-.2679-05
.4000+19	-.1252+00	-.1444-03	.2137-07	-.4534+02	.2131-02	-.3469-05
.5000+19	-.1472+00	-.1993-03	.7155-07	-.4547+02	.2371-02	-.3981-05
.6000+19	-.1660+00	-.2541-03	.1195-06	-.4559+02	.2540-02	-.4303-05
.7000+19	-.1849+00	-.3078-03	.1631-06	-.4570+02	.2657-02	-.4501-05
.8000+19	-.2014+00	-.3597-03	.2021-06	-.4579+02	.2737-02	-.4622-05
.9000+19	-.2167+00	-.4097-03	.2366-06	-.4588+02	.2792-02	-.4696-05
.1000+20	-.2310+00	-.4578-03	.2670-06	-.4596+02	.2828-02	-.4742-05
.2000+20	-.2339+00	-.4567-03	.4418-06	-.4651+02	.2863-02	-.4864-05
.3000+20	-.4177+00	-.1165-02	.5026-06	-.4684+02	.2752-02	-.4811-05
.4000+20	-.4808+00	-.1425-02	.5055-06	-.4708+02	.2613-02	-.4708-05
.5000+20	-.5351+00	-.1654-02	.4711-06	-.4726+02	.2468-02	-.4603-05
.6000+20	-.5834+00	-.1860-02	.4098-06	-.4742+02	.2325-02	-.4509-05
.7000+20	-.6272+00	-.2050-02	.3282-06	-.4755+02	.2185-02	-.4430-05
.8000+20	-.6677+00	-.2226-02	.2308-06	-.4766+02	.2048-02	-.4370-05
.9000+20	-.7054+00	-.2391-02	.1214-06	-.4777+02	.1915-02	-.4332-05
.1000+21	-.7408+00	-.2547-02	.2925-08	-.4786+02	.1784-02	-.4317-05
.2000+21	-.1023+01	-.3801-02	-.1303-05	-.4851+02	.6417-03	-.5115-05
.3000+21	-.1239+01	-.4778-02	-.2397-05	-.4891+02	-.3039-03	-.6467-05
.4000+21	-.1425+01	-.5621-02	-.3235-05	-.4922+02	-.1177-02	-.7472-05
.5000+21	-.1594+01	-.6376-02	-.4031-05	-.4947+02	-.2012-02	-.8052-05
.6000+21	-.1750+01	-.7061-02	-.4575-05	-.4969+02	-.2810-02	-.8350-05
.7000+21	-.1898+01	-.7687-02	-.5222-05	-.4989+02	-.3566-02	-.8509-05
.8000+21	-.2040+01	-.8264-02	-.5898-05	-.5007+02	-.4277-02	-.8629-05
.9000+21	-.2176+01	-.8798-02	-.6615-05	-.5024+02	-.4944-02	-.8775-05
.1000+22	-.2307+01	-.9295-02	-.7373-05	-.5040+02	-.5566-02	-.8881-05
.2000+22	-.3474+01	-.1305-01	-.1592-04	-.5176+02	-.1009-01	-.1466-04
.3000+22	-.4504+01	-.1587-01	-.2337-04	-.5288+02	-.1315-01	-.2207-04
.4000+22	-.5457+01	-.1837-01	-.2916-04	-.5389+02	-.1573-01	-.2827-04
.5000+22	-.6365+01	-.2073-01	-.3391-04	-.5483+02	-.1811-01	-.3337-04
.6000+22	-.7243+01	-.2303-01	-.3811-04	-.5574+02	-.2038-01	-.3781-04
.7000+22	-.8101+01	-.2530-01	-.4197-04	-.5662+02	-.2262-01	-.4188-04
.8000+22	-.8944+01	-.2757-01	-.4564-04	-.5748+02	-.2484-01	-.4572-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(h) Wavelength interval from 1816.4 to 1830.6 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.6046-02	.8685-05	-.2620-07	-.4430+02	-.1331-02	.3063-05
.2000+18	-.1166-01	.1527-04	-.4696-07	-.4438+02	-.1057-02	.3375-05
.3000+18	-.1698-01	.2011-04	-.6336-07	-.4446+02	-.8014-03	.2835-05
.4000+18	-.2174-01	.2349-04	-.7617-07	-.4453+02	-.5635-03	.2343-05
.5000+18	-.2630-01	.2565-04	-.8610-07	-.4460+02	-.3434-03	.1898-05
.6000+18	-.3057-01	.2679-04	-.9372-07	-.4467+02	-.1404-03	.1498-05
.7000+18	-.3459-01	.2710-04	-.9952-07	-.4473+02	.4611-04	.1142-05
.8000+18	-.3838-01	.2672-04	-.1039-06	-.4480+02	.2167-03	.8269-06
.9000+18	-.4195-01	.2578-04	-.1071-06	-.4485+02	.3722-03	.5514-06
.1000+19	-.4534-01	.2438-04	-.1095-06	-.4491+02	.5132-03	.3128-06
.2000+19	-.7195-01	-.8413-06	-.1177-06	-.4535+02	.1315-02	-.5057-06
.3000+19	-.9089-01	-.2813-04	-.1318-06	-.4564+02	.1503-02	-.2423-06
.4000+19	-.1060+00	-.5127-04	-.1565-06	-.4584+02	.1503-02	.2844-06
.5000+19	-.1189+00	-.7080-04	-.1870-06	-.4599+02	.1470-02	.7073-06
.6000+19	-.1303+00	-.8781-04	-.2203-06	-.4611+02	.1444-02	.1014-05
.7000+19	-.1406+00	-.1031-03	-.2550-06	-.4621+02	.1431-02	.1237-05
.8000+19	-.1501+00	-.1171-03	-.2902-06	-.4630+02	.1429-02	.1401-05
.9000+19	-.1590+00	-.1303-03	-.3258-06	-.4638+02	.1435-02	.1523-05
.1000+20	-.1673+00	-.1427-03	-.3615-06	-.4644+02	.1447-02	.1614-05
.2000+20	-.2322+00	-.2487-03	-.7066-06	-.4691+02	.1649-02	.1751-05
.3000+20	-.2799+00	-.3389-03	-.1026-05	-.4719+02	.1809-02	.1543-05
.4000+20	-.3190+00	-.4201-03	-.1325-05	-.4740+02	.1911-02	.1330-05
.5000+20	-.3526+00	-.4946-03	-.1610-05	-.4757+02	.1983-02	.1121-05
.6000+20	-.3823+00	-.5640-03	-.1884-05	-.4771+02	.2037-02	.9027-06
.7000+20	-.4091+00	-.6293-03	-.2148-05	-.4783+02	.2082-02	.6719-06
.8000+20	-.4337+00	-.6914-03	-.2402-05	-.4794+02	.2118-02	.4273-06
.9000+20	-.4564+00	-.7509-03	-.2648-05	-.4803+02	.2148-02	.1706-06
.1000+21	-.4777+00	-.8080-03	-.2886-05	-.4812+02	.2172-02	-.9599-07
.2000+21	-.6419+00	-.1299-02	-.4875-05	-.4869+02	.2131-02	-.2710-05
.3000+21	-.7637+00	-.1695-02	-.6360-05	-.4902+02	.1795-02	-.4529-05
.4000+21	-.8667+00	-.2031-02	-.7565-05	-.4926+02	.1375-02	-.5698-05
.5000+21	-.9588+00	-.2322-02	-.8608-05	-.4944+02	.9527-03	-.6521-05
.6000+21	-.1044+01	-.2579-02	-.9552-05	-.4960+02	.5564-03	-.7176-05
.7000+21	-.1124+01	-.2810-02	-.1043-04	-.4973+02	.1932-03	-.7758-05
.8000+21	-.1200+01	-.3020-02	-.1126-04	-.4985+02	.1369-03	-.8313-05
.9000+21	-.1273+01	-.3213-02	-.1204-04	-.4996+02	-.4368-03	-.8863-05
.1000+22	-.1343+01	-.3393-02	-.1280-04	-.5007+02	-.7102-03	-.9417-05
.2000+22	-.1970+01	-.4775-02	-.1931-04	-.5087+02	.2633-02	-.1494-04
.3000+22	-.2523+01	-.5782-02	-.2480-04	-.5151+02	-.3935-02	-.2000-04
.4000+22	-.3039+01	-.6597-02	-.2976-04	-.5208+02	-.4955-02	-.2475-04
.5000+22	-.3533+01	-.7297-02	-.3429-04	-.5261+02	-.5798-02	-.2927-04
.6000+22	-.4010+01	-.7921-02	-.3840-04	-.5312+02	-.6529-02	-.3353-04
.7000+22	-.4475+01	-.8492-02	-.4214-04	-.5361+02	-.7187-02	-.3747-04
.8000+22	-.4931+01	-.9021-02	-.4554-04	-.5408+02	-.7793-02	-.4107-04
.9000+22	-.5379+01	-.9513-02	-.4864-04	-.5454+02	-.8359-02	-.4435-04
.1000+23	-.5822+01	-.9970-02	-.5161-04	-.5500+02	-.8890-02	-.4736-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(i) Wavelength interval from 1830.6 to 1846.2 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1940-02	-.7989-07	-.4268-08	-.4541+02	.8998-04	.1057-05
.2000+18	-.3837-02	-.2999-06	-.8233-08	-.4543+02	.1643-03	.1818-05
.3000+18	-.5690-02	-.6477-06	-.1193-07	-.4546+02	.2366-03	.1684-05
.4000+18	-.7503-02	-.1118-05	-.1536-07	-.4548+02	.3071-03	.1556-05
.5000+18	-.9276-02	-.1700-05	-.1858-07	-.4550+02	.3756-03	.1433-05
.6000+18	-.1101-01	-.2385-05	-.2159-07	-.4553+02	.4423-03	.1314-05
.7000+18	-.1271-01	-.3170-05	-.2439-07	-.4555+02	.5071-03	.1200-05
.8000+18	-.1437-01	-.4046-05	-.2701-07	-.4557+02	.5700-03	.1092-05
.9000+18	-.1600-01	-.5005-05	-.2949-07	-.4559+02	.6312-03	.9873-06
.1000+19	-.1760-01	-.6042-05	-.3182-07	-.4562+02	.6906-03	.8875-06
.2000+19	-.3105-01	-.1959-04	-.4983-07	-.4582+02	.1194-02	.1200-06
.3000+19	-.4400-01	-.3637-04	-.6382-07	-.4599+02	.1556-02	-.3067-06
.4000+19	-.5437-01	-.5416-04	-.7805-07	-.4614+02	.1810-02	-.4958-06
.5000+19	-.6348-01	-.7187-04	-.9404-07	-.4627+02	.1985-02	-.5345-06
.6000+19	-.7163-01	-.8899-04	-.1120-06	-.4638+02	.2105-02	-.4893-06
.7000+19	-.7902-01	-.1053-03	-.1319-06	-.4648+02	.2187-02	-.4043-06
.8000+19	-.8581-01	-.1209-03	-.1531-06	-.4657+02	.2246-02	-.3074-06
.9000+19	-.9211-01	-.1357-03	-.1754-06	-.4664+02	.2288-02	-.2135-06
.1000+20	-.9800-01	-.1498-03	-.1983-06	-.4671+02	.2320-02	-.1300-06
.2000+20	-.1436+00	-.2649-03	-.4326-06	-.4717+02	.2460-02	.1741-06
.3000+20	-.1771+00	-.3544-03	-.6499-06	-.4744+02	.2497-02	.1364-06
.4000+20	-.2046+00	-.4302-03	-.8482-06	-.4763+02	.2503-02	.1745-07
.5000+20	-.2284+00	-.4973-03	-.1031-05	-.4778+02	.2497-02	-.1267-06
.6000+20	-.2496+00	-.5581-03	-.1202-05	-.4790+02	.2487-02	-.2717-06
.7000+20	-.2690+00	-.6143-03	-.1363-05	-.4801+02	.2475-02	-.4100-06
.8000+20	-.2868+00	-.6666-03	-.1516-05	-.4810+02	.2460-02	-.5420-06
.9000+20	-.3034+00	-.7159-03	-.1662-05	-.4819+02	.2443-02	-.6703-06
.1000+21	-.3190+00	-.7625-03	-.1803-05	-.4826+02	.2426-02	-.7980-06
.2000+21	-.4414+00	-.1144-02	-.2958-05	-.4878+02	.2254-02	-.2245-05
.3000+21	-.5322+00	-.1446-02	-.3775-05	-.4909+02	.2088-02	-.3779-05
.4000+21	-.6073+00	-.1710-02	-.4362-05	-.4932+02	.1915-02	-.5145-05
.5000+21	-.6730+00	-.1950-02	-.4782-05	-.4951+02	.1742-02	-.6325-05
.6000+21	-.7321+00	-.2173-02	-.5082-05	-.4966+02	.1572-02	-.7335-05
.7000+21	-.7866+00	-.2384-02	-.5292-05	-.4979+02	.1403-02	-.8183-05
.8000+21	-.8374+00	-.2584-02	-.5433-05	-.4990+02	.1234-02	-.8880-05
.9000+21	-.8854+00	-.2776-02	-.5523-05	-.5000+02	.1065-02	-.9438-05
.1000+22	-.9311+00	-.2960-02	-.5574-05	-.5009+02	.8932-03	-.9873-05
.2000+22	-.1316+01	-.4503-02	-.5320-05	-.5074+02	.8432-03	-.1038-04
.3000+22	-.1630+01	-.5670-02	-.5071-05	-.5118+02	.7392-02	-.4097-05
.4000+22	-.1932+01	-.6603-02	-.5113-05	-.5155+02	.6673-02	-.7039-05
.5000+22	-.2207+01	-.7381-02	-.5329-05	-.5188+02	.4733-02	-.7370-05
.6000+22	-.2470+01	-.8052-02	-.5621-05	-.5218+02	.5629-02	-.7143-05
.7000+22	-.2724+01	-.8646-02	-.5932-05	-.5247+02	.6402-02	-.7113-05
.8000+22	-.2970+01	-.9183-02	-.6237-05	-.5274+02	.7083-02	-.7182-05
.9000+22	-.3210+01	-.9675-02	-.6530-05	-.5300+02	.7694-02	-.7292-05
.1000+23	-.3446+01	-.1013-01	-.6814-05	-.5326+02	.8250-02	-.7414-05
.2000+23	-.5634+01	-.1355-01	-.1084-04	-.5555+02	.1221-01	-.0537-05
.3000+23	-.7604+01	-.1595-01	-.1847-04	-.5765+02	-.1482-01	-.1567-04



TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(j) Wavelength interval from 1846.2 to 1863.4 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.8170-03	-.2968-06	-.2962-08	-.4626+02	.4086-03	.2996-05
.2000+18	-.1628-02	-.6104-06	-.5882-08	-.4627+02	.4358-03	.2935-05
.3000+18	-.2433-02	-.9474-06	-.8735-08	-.4628+02	.4627-03	.2875-05
.4000+18	-.3233-02	-.1305-05	-.1152-07	-.4628+02	.4894-03	.2816-05
.5000+18	-.4027-02	-.1674-05	-.1431-07	-.4629+02	.5160-03	.2757-05
.6000+18	-.4816-02	-.2067-05	-.1702-07	-.4630+02	.5423-03	.2699-05
.7000+18	-.5599-02	-.2478-05	-.1967-07	-.4631+02	.5684-03	.2642-05
.8000+18	-.6377-02	-.2905-05	-.2230-07	-.4631+02	.5942-03	.2585-05
.9000+18	-.7149-02	-.3348-05	-.2488-07	-.4632+02	.6199-03	.2528-05
.1000+19	-.7916-02	-.3808-05	-.2742-07	-.4633+02	.6454-03	.2473-05
.2000+19	-.1531-01	-.9256-05	-.5070-07	-.4640+02	.6889-03	.1948-05
.3000+19	-.2223-01	-.1601-04	-.7079-07	-.4648+02	.1113-02	.1479-05
.4000+19	-.2872-01	-.2379-04	-.8845-07	-.4654+02	.1318-02	.1064-05
.5000+19	-.3484-01	-.3236-04	-.1043-06	-.4661+02	.1505-02	.6977-06
.6000+19	-.4041-01	-.4155-04	-.1188-06	-.4667+02	.1675-02	.3770-06
.7000+19	-.4606-01	-.5117-04	-.1324-06	-.4673+02	.1830-02	.9A13-07
.8000+19	-.5124-01	-.6113-04	-.1454-06	-.4679+02	.1971-02	-.1429-06
.9000+19	-.5616-01	-.7130-04	-.1580-06	-.4684+02	.2098-02	-.3495-06
.1000+20	-.6084-01	-.8160-04	-.1703-06	-.4690+02	.2213-02	-.5256-06
.2000+20	-.9844-01	-.1823-03	-.2991-06	-.4731+02	.2887-02	-.1240-05
.3000+20	-.1260+00	-.2698-03	-.4444-06	-.4759+02	.3135-02	-.1253-05
.4000+20	-.1482+00	-.3452-03	-.5978-06	-.4780+02	.3247-02	-.1173-05
.5000+20	-.1671+00	-.4116-03	-.7544-06	-.4795+02	.3306-02	-.1060-05
.6000+20	-.1837+00	-.4713-03	-.9134-06	-.4808+02	.3333-02	-.9089-06
.7000+20	-.1988+00	-.5257-03	-.1075-05	-.4819+02	.3340-02	-.7280-06
.8000+20	-.2126+00	-.5758-03	-.1239-05	-.4829+02	.3333-02	-.5330-06
.9000+20	-.2254+00	-.6222-03	-.1405-05	-.4837+02	.3319-02	-.3370-06
.1000+21	-.2373+00	-.6655-03	-.1573-05	-.4845+02	.3299-02	-.1487-06
.2000+21	-.3306+00	-.9932-03	-.3304-05	-.4894+02	.3049-02	.9A11-06
.3000+21	-.3995+00	-.1220-02	-.5035-05	-.4924+02	.2837-02	.1073-05
.4000+21	-.4565+00	-.1398-02	-.6712-05	-.4945+02	.2677-02	.5415-06
.5000+21	-.5063+00	-.1550-02	-.8116-05	-.4962+02	.2554-02	-.3774-06
.6000+21	-.5511+00	-.1685-02	-.9840-05	-.4976+02	.2455-02	-.1542-05
.7000+21	-.5923+00	-.1809-02	-.1128-04	-.4988+02	.2372-02	-.2859-05
.8000+21	-.6306+00	-.1927-02	-.1265-04	-.4998+02	.2299-02	-.4266-05
.9000+21	-.6668+00	-.2040-02	-.1393-04	-.5007+02	.2232-02	-.5718-05
.1000+22	-.7012+00	-.2150-02	-.1514-04	-.5015+02	.2167-02	-.7182-05
.2000+22	-.9888+00	-.3204-02	-.2407-04	-.5071+02	.1411-02	-.1972-04
.3000+22	-.1226+01	-.4213-02	-.2942-04	-.5108+02	.3973-03	-.2740-04
.4000+22	-.1440+01	-.5147-02	-.3308-04	-.5137+02	-.7096-03	-.3209-04
.5000+22	-.1640+01	-.5992-02	-.3584-04	-.5163+02	-.1794-02	-.3525-04
.6000+22	-.1830+01	-.6754-02	-.3805-04	-.5187+02	-.2812-02	-.3758-04
.7000+22	-.2012+01	-.7440-02	-.3991-04	-.5208+02	-.3752-02	-.3940-04
.8000+22	-.2100+01	-.8062-02	-.4151-04	-.5229+02	-.4616-02	-.4087-04
.9000+22	-.2362+01	-.8624-02	-.4295-04	-.5248+02	-.5408-02	-.4210-04
.1000+23	-.2531+01	-.9136-02	-.4428-04	-.5267+02	-.6133-02	-.4314-04
.2000+23	-.4102+01	-.1240-01	-.5737-04	-.5435+02	-.1077-01	-.5205-04
.3000+23	-.5565+01	-.1396-01	-.7457-04	-.5586+02	-.1289-01	-.6609-04
.4000+23	-.6979+01	-.1484-01	-.9513-04	-.5730+02	-.1403-01	-.8473-04
.5000+23	-.8363+01	-.1537-01	-.1178-03	-.5870+02	-.1471-01	-.1062-03

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(k) Wavelength interval from 1863.4 to 1882.2 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.4875-03	-.2980-06	-.9008-09	-.4678+02	.6453-03	.1337-05
.2000+18	-.9644-03	-.6031-06	-.1782-08	-.4679+02	.6624-03	.1301-05
.3000+18	-.1443-02	-.9157-06	-.2645-08	-.4679+02	.6794-03	.1265-05
.4000+18	-.1919-02	-.1235-05	-.3490-08	-.4680+02	.6963-03	.1229-05
.5000+18	-.2393-02	-.1563-05	-.4313-08	-.4680+02	.7131-03	.1194-05
.6000+18	-.2865-02	-.1895-05	-.5128-08	-.4681+02	.7297-03	.1160-05
.7000+18	-.3334-02	-.2232-05	-.5946-08	-.4682+02	.7463-03	.1125-05
.8000+18	-.3801-02	-.2577-05	-.6734-08	-.4682+02	.7627-03	.1091-05
.9000+18	-.4266-02	-.2930-05	-.7503-08	-.4683+02	.7790-03	.1057-05
.1000+19	-.4729-02	-.3287-05	-.8263-08	-.4683+02	.7952-03	.1024-05
.2000+19	-.9237-02	-.7167-05	-.1520-07	-.4688+02	.9512-03	.7056-06
.3000+19	-.1354-01	-.1154-04	-.2107-07	-.4693+02	.1096-02	.4171-06
.4000+19	-.1766-01	-.1632-04	-.2611-07	-.4698+02	.1231-02	.1566-06
.5000+19	-.2160-01	-.2144-04	-.3046-07	-.4703+02	.1357-02	.7730-07
.6000+19	-.2538-01	-.2683-04	-.3433-07	-.4707+02	.1473-02	.2866-06
.7000+19	-.2901-01	-.3244-04	-.3781-07	-.4712+02	.1580-02	.4727-06
.8000+19	-.3250-01	-.3822-04	-.4105-07	-.4716+02	.1679-02	.6374-06
.9000+19	-.3586-01	-.4414-04	-.4409-07	-.4720+02	.1770-02	.7423-06
.1000+20	-.3911-01	-.5014-04	-.4705-07	-.4724+02	.1854-02	.9089-06
.2000+20	-.6643-01	-.1109-03	-.7955-07	-.4756+02	.2394-02	.1478-05
.3000+20	-.8759-01	-.1668-03	-.1245-06	-.4780+02	.2621-02	.1454-05
.4000+20	-.1051+00	-.2165-03	-.1793-06	-.4798+02	.2729-02	.1313-05
.5000+20	-.1202+00	-.2611-03	-.2396-06	-.4813+02	.2793-02	.1182-05
.6000+20	-.1335+00	-.3016-03	-.3028-06	-.4825+02	.2838-02	.1074-05
.7000+20	-.1456+00	-.3391-03	-.3679-06	-.4836+02	.2872-02	.9828-06
.8000+20	-.1567+00	-.3740-03	-.4341-06	-.4845+02	.2898-02	.9025-06
.9000+20	-.1670+00	-.4068-03	-.5012-06	-.4853+02	.2919-02	.8327-06
.1000+21	-.1766+00	-.4378-03	-.5688-06	-.4861+02	.2936-02	.7740-06
.2000+21	-.2508+00	-.6887-03	-.1231-05	-.4910+02	.3023-02	.8856-06
.3000+21	-.3049+00	-.8851-03	-.1811-05	-.4939+02	.3060-02	.1730-05
.4000+21	-.3491+00	-.1055-02	-.2297-05	-.4960+02	.3052-02	.2706-05
.5000+21	-.3874+00	-.1209-02	-.2701-05	-.4977+02	.3006-02	.3614-05
.6000+21	-.4216+00	-.1350-02	-.3042-05	-.4990+02	.2930-02	.4394-05
.7000+21	-.4528+00	-.1482-02	-.3332-05	-.5001+02	.2833-02	.5035-05
.8000+21	-.4816+00	-.1605-02	-.3583-05	-.5011+02	.2719-02	.5648-05
.9000+21	-.5087+00	-.1721-02	-.3803-05	-.5020+02	.2594-02	.5949-05
.1000+22	-.5343+00	-.1831-02	-.3999-05	-.5028+02	.2461-02	.6256-05
.2000+22	-.7433+00	-.2679-02	-.5367-05	-.5080+02	.1068-02	.6892-05
.3000+22	-.9111+00	-.3253-02	-.6392-05	-.5112+02	-.6454-04	.6561-05
.4000+22	-.1060+01	-.3682-02	-.7344-05	-.5136+02	-.9255-03	.6343-05
.5000+22	-.1198+01	-.4023-02	-.8283-05	-.5157+02	.1592-02	.6340-05
.6000+22	-.1328+01	-.4306-02	-.9222-05	-.5175+02	.2121-02	.6563-05
.7000+22	-.1452+01	-.4548-02	-.1015-04	-.5191+02	-.2549-02	.6084-05
.8000+22	-.1572+01	-.4762-02	-.1107-04	-.5206+02	-.2906-02	.7558-05
.9000+22	-.1689+01	-.4956-02	-.1197-04	-.5220+02	-.3211-02	.8235-05
.1000+23	-.1803+01	-.5133-02	-.1284-04	-.5234+02	-.3478-02	.8074-05
.2000+23	-.2852+01	-.6472-02	-.2011-04	-.5351+02	-.5282-02	.1619-04
.3000+23	-.3819+01	-.7412-02	-.2587-04	-.5454+02	-.6467-02	.2201-04
.4000+23	-.4746+01	-.8144-02	-.3089-04	-.5550+02	-.7359-02	.2710-04
.5000+23	-.5647+01	-.8741-02	-.3547-04	-.5642+02	-.8077-02	.3169-04
.6000+23	-.6530+01	-.9230-02	-.3985-04	-.5732+02	-.8672-02	.3595-04
.7000+23	-.7400+01	-.9625-02	-.4423-04	-.5820+02	-.9165-02	.4009-04
.8000+23	-.8259+01	-.9933-02	-.4876-04	-.5907+02	-.9564-02	.4429-04
.9000+23	-.9109+01	-.1016-01	-.5354-04	-.5993+02	-.9877-02	.4867-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(1) Wavelength interval from 1882.2 to 1902.4 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.2635-03	.7144-07	-.1011-08	-.4739+02	-.2595-03	.3748-05
.2000+18	-.5258-03	.1421-06	-.2032-08	-.4739+02	-.2493-03	.3733-05
.3000+18	-.7871-03	.2063-06	-.3022-08	-.4740+02	-.2392-03	.3717-05
.4000+18	-.1047-02	.2702-06	-.4025-08	-.4740+02	-.2291-03	.3702-05
.5000+18	-.1307-02	.3310-06	-.5017-08	-.4741+02	-.2190-03	.3687-05
.6000+18	-.1565-02	.3928-06	-.6020-08	-.4741+02	-.2091-03	.3672-05
.7000+18	-.1823-02	.4464-06	-.6994-08	-.4741+02	-.1991-03	.3657-05
.8000+18	-.2080-02	.4991-06	-.7968-08	-.4742+02	-.1892-03	.3643-05
.9000+18	-.2335-02	.5505-06	-.8941-08	-.4742+02	-.1794-03	.3628-05
.1000+19	-.2590-02	.5983-06	-.9906-08	-.4743+02	-.1696-03	.3614-05
.2000+19	-.5088-02	.9424-06	-.1926-07	-.4746+02	-.7455-04	.3476-05
.3000+19	-.7501-02	.1059-05	-.2813-07	-.4750+02	.1563-04	.3350-05
.4000+19	-.9832-02	.9734-06	-.3657-07	-.4754+02	.1011-03	.3236-05
.5000+19	-.1209-01	.7104-06	-.4465-07	-.4757+02	.1819-03	.3132-05
.6000+19	-.1427-01	.2855-06	-.5240-07	-.4761+02	.2584-03	.3039-05
.7000+19	-.1639-01	-.2753-06	-.5989-07	-.4764+02	.3307-03	.2955-05
.8000+19	-.1844-01	-.9620-06	-.6713-07	-.4767+02	.3989-03	.2881-05
.9000+19	-.2043-01	-.1757-05	-.7418-07	-.4770+02	.4633-03	.2815-05
.1000+20	-.2237-01	-.2646-05	-.8105-07	-.4773+02	.5240-03	.2758-05
.2000+20	-.3920-01	-.1475-04	-.1444-06	-.4799+02	.9673-03	.2519-05
.3000+20	-.5275-01	-.2899-04	-.2046-06	-.4820+02	.1214-02	.2615-05
.4000+20	-.6421-01	-.4317-04	-.2647-06	-.4836+02	.1364-02	.2802-05
.5000+20	-.7423-01	-.5677-04	-.3248-06	-.4849+02	.1471-02	.2983-05
.6000+20	-.8328-01	-.6975-04	-.3848-06	-.4860+02	.1557-02	.3134-05
.7000+20	-.9136-01	-.8216-04	-.4444-06	-.4869+02	.1632-02	.3256-05
.8000+20	-.9887-01	-.9410-04	-.5037-06	-.4878+02	.1700-02	.3357-05
.9000+20	-.1059+00	-.1056-03	-.5625-06	-.4886+02	.1763-02	.3444-05
.1000+21	-.1124+00	-.1168-03	-.6211-06	-.4892+02	.1821-02	.3522-05
.2000+21	-.1630+00	-.2137-03	-.1193-05	-.4940+02	.2211-02	.4008-05
.3000+21	-.1994+00	-.2929-03	-.1738-05	-.4969+02	.2419-02	.4079-05
.4000+21	-.2287+00	-.3614-03	-.2248-05	-.4990+02	.2549-02	.3864-05
.5000+21	-.2537+00	-.4227-03	-.2722-05	-.5007+02	.2636-02	.3506-05
.6000+21	-.2758+00	-.4788-03	-.3162-05	-.5020+02	.2691-02	.3090-05
.7000+21	-.2956+00	-.5309-03	-.3572-05	-.5032+02	.2723-02	.2662-05
.8000+21	-.3137+00	-.5796-03	-.3955-05	-.5042+02	.2738-02	.2245-05
.9000+21	-.3305+00	-.6255-03	-.4314-05	-.5051+02	.2740-02	.1851-05
.1000+22	-.3462+00	-.6690-03	-.4654-05	-.5059+02	.2731-02	.1484-05
.2000+22	-.4686+00	-.1016-02	-.7354-05	-.5110+02	.2417-02	-.1050-05
.3000+22	-.5688+00	-.1273-02	-.9389-05	-.5140+02	.2067-02	-.2889-05
.4000+22	-.6391+00	-.1487-02	-.1107-04	-.5160+02	.1764-02	-.4631-05
.5000+22	-.7092+00	-.1677-02	-.1249-04	-.5177+02	.1491-02	-.6282-05
.6000+22	-.7739+00	-.1850-02	-.1372-04	-.5190+02	.1238-02	-.7822-05
.7000+22	-.8346+00	-.2010-02	-.1480-04	-.5202+02	.9995-03	-.9254-05
.8000+22	-.8923+00	-.2161-02	-.1574-04	-.5212+02	.7754-03	-.1058-04
.9000+22	-.9476+00	-.2304-02	-.1657-04	-.5222+02	.5634-03	-.1181-04
.1000+23	-.1001+01	-.2441-02	-.1730-04	-.5230+02	.3620-03	-.1294-04
.2000+23	-.1470+01	-.3569-02	-.2148-04	-.5297+02	-.1297-02	-.1071-04
.3000+23	-.1881+01	-.4393-02	-.2345-04	-.5347+02	-.2559-02	-.2186-04
.4000+23	-.2263+01	-.5008-02	-.2510-04	-.5391+02	-.3520-02	-.2283-04
.5000+23	-.2627+01	-.5478-02	-.2683-04	-.5431+02	-.4251-02	-.2377-04
.6000+23	-.2980+01	-.5849-02	-.2874-04	-.5469+02	-.4816-02	-.2496-04
.7000+23	-.3323+01	-.6149-02	-.3079-04	-.5506+02	-.5262-02	-.2642-04
.8000+23	-.3660+01	-.6397-02	-.3297-04	-.5542+02	-.5621-02	-.2812-04
.9000+23	-.3991+01	-.6607-02	-.3525-04	-.5576+02	-.5917-02	-.3001-04
.1000+24	-.4317+01	-.6789-02	-.3761-04	-.5610+02	-.6164-02	-.3206-04
.2000+24	-.7441+01	-.7972-02	-.6231-04	-.5929+02	-.7551-02	-.5603-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued  
(m) Wavelength interval from 1902.4 to 1924.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1074-03	.3480-07	-.6400-09	-.4829+02	-.2879-03	.5583-05
.2000+18	-.2144-03	.6986-07	-.1279-08	-.4829+02	-.2834-03	.5575-05
.3000+18	-.3213-03	.1011-06	-.1901-08	-.4829+02	-.2789-03	.5567-05
.4000+18	-.4280-03	.1322-06	-.2522-08	-.4829+02	-.2744-03	.5560-05
.5000+18	-.5346-03	.1653-06	-.3161-08	-.4829+02	-.2699-03	.5552-05
.6000+18	-.6411-03	.1964-06	-.3783-08	-.4829+02	-.2654-03	.5544-05
.7000+18	-.7474-03	.2284-06	-.4414-08	-.4830+02	-.2609-03	.5536-05
.8000+18	-.8546-03	.2572-06	-.5034-08	-.4830+02	-.2565-03	.5528-05
.9000+18	-.9566-03	.2885-06	-.5665-08	-.4830+02	-.2520-03	.5520-05
.1000+19	-.1066-02	.3184-06	-.6288-08	-.4830+02	-.2475-03	.5512-05
.2000+19	-.2117-02	.5890-06	-.1246-07	-.4831+02	-.2033-03	.5435-05
.3000+19	-.3155-02	.8103-06	-.1849-07	-.4833+02	-.1599-03	.5360-05
.4000+19	-.4190-02	.9912-06	-.2445-07	-.4834+02	-.1172-03	.5288-05
.5000+19	-.5162-02	.1128-05	-.3029-07	-.4836+02	-.7533-04	.5217-05
.6000+19	-.6101-02	.1226-05	-.3604-07	-.4837+02	-.3417-04	.5148-05
.7000+19	-.7177-02	.1281-05	-.4167-07	-.4838+02	.6251-05	.5081-05
.8000+19	-.8152-02	.1299-05	-.4722-07	-.4840+02	.4596-04	.5016-05
.9000+19	-.9114-02	.1280-05	-.5268-07	-.4841+02	.8494-04	.4954-05
.1000+20	-.1007-01	.1228-05	-.5807-07	-.4842+02	.1232-03	.4893-05
.2000+20	-.1808-01	-.0149-06	-.1081-06	-.4855+02	.6685-03	.4383-05
.3000+20	-.2607-01	-.5240-05	-.1533-06	-.4866+02	.7520-03	.4033-05
.4000+20	-.3410-01	-.1093-04	-.1956-06	-.4876+02	.9823-03	.3814-05
.5000+20	-.4078-01	-.1744-04	-.2363-06	-.4886+02	.1168-02	.3700-05
.6000+20	-.4694-01	-.2440-04	-.2761-06	-.4894+02	.1317-02	.3666-05
.7000+20	-.5245-01	-.3155-04	-.3156-06	-.4902+02	.1437-02	.3689-05
.8000+20	-.5768-01	-.3873-04	-.3550-06	-.4910+02	.1533-02	.3754-05
.9000+20	-.6259-01	-.4585-04	-.3943-06	-.4916+02	.1610-02	.3847-05
.1000+21	-.6721-01	-.5285-04	-.4338-06	-.4922+02	.1673-02	.3956-05
.2000+21	-.1035+00	-.1136-03	-.4291-06	-.4966+02	.1973-02	.5028-05
.3000+21	-.1301+00	-.1617-03	-.1215-05	-.4993+02	.2121-02	.5644-05
.4000+21	-.1516+00	-.2024-03	-.1588-05	-.5013+02	.2230-02	.5085-05
.5000+21	-.1701+00	-.2383-03	-.1948-05	-.5028+02	.2315-02	.6144-05
.6000+21	-.1865+00	-.2708-03	-.2295-05	-.5041+02	.2386-02	.6175-05
.7000+21	-.2013+00	-.3008-03	-.2630-05	-.5052+02	.2447-02	.6117-05
.8000+21	-.2144+00	-.3288-03	-.2953-05	-.5061+02	.2498-02	.6004-05
.9000+21	-.2274+00	-.3552-03	-.3266-05	-.5070+02	.2540-02	.5859-05
.1000+22	-.2391+00	-.3803-03	-.3568-05	-.5077+02	.2578-02	.5697-05
.2000+22	-.2509+00	-.5831-03	-.6193-05	-.5126+02	.2620-02	.4006-05
.3000+22	-.2926+00	-.7369-03	-.8352-05	-.5153+02	.2473-02	.2379-05
.4000+22	-.4581+00	-.8651-03	-.1023-04	-.5172+02	.2289-02	.8367-06
.5000+22	-.5105+00	-.9770-03	-.1191-04	-.5186+02	.2098-02	.6063-06
.6000+22	-.5540+00	-.1077-02	-.1345-04	-.5198+02	.1913-02	-.1063-05
.7000+22	-.6043+00	-.1168-02	-.1487-04	-.5208+02	.1738-02	-.3253-05
.8000+22	-.6475+00	-.1252-02	-.1621-04	-.5217+02	.1573-02	-.4489-05
.9000+22	-.6889+00	-.1330-02	-.1747-04	-.5225+02	.1421-02	-.5685-05
.1000+23	-.7249+00	-.1404-02	-.1867-04	-.5232+02	.1279-02	-.6848-05
.2000+23	-.1043+01	-.2003-02	-.2835-04	-.5286+02	.2721-03	-.1721-04
.3000+23	-.1398+01	-.2514-02	-.3547-04	-.5325+02	.3863-03	-.2565-04
.4000+23	-.1693+01	-.3001-02	-.4114-04	-.5359+02	.9564-03	-.3241-04
.5000+23	-.1978+01	-.3472-02	-.4595-04	-.5391+02	.1505-02	.3790-04
.6000+23	-.2256+01	-.3920-02	-.5024-04	-.5420+02	.2040-02	-.4254-04
.7000+23	-.2528+01	-.4343-02	-.5422-04	-.5449+02	.2554-02	-.4664-04
.8000+23	-.2797+01	-.4738-02	-.5801-04	-.5477+02	.3042-02	-.5080-04
.9000+23	-.3063+01	-.5106-02	-.6170-04	-.5505+02	.3501-02	-.5398-04
.1000+24	-.3327+01	-.5447-02	-.6534-04	-.5532+02	.3930-02	-.5744-04
.2000+24	-.5895+01	-.7752-02	-.1019-03	-.5793+02	.6848-02	-.9212-04
.3000+24	-.8404+01	-.8874-02	-.1403-03	-.6045+02	.8265-02	-.1294-03

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(n) Wavelength interval from 1924.0 to 1947.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.4319-04	.2509-07	-.2794-09	-.4920+02	-.5919-03	.6448-05
.2000+18	-.4618-04	.5333-07	-.5797-09	-.4920+02	-.5907-03	.6446-05
.3000+18	-.1292-03	.7896-07	-.8598-09	-.4920+02	-.5896-03	.6445-05
.4000+18	-.1721-03	.1063-06	-.1150-08	-.4920+02	-.5884-03	.6443-05
.5000+18	-.2150-03	.1291-06	-.1421-08	-.4920+02	-.5873-03	.6441-05
.6000+18	-.2540-03	.1572-06	-.1711-08	-.4920+02	-.5862-03	.6439-05
.7000+18	-.3009-03	.1815-06	-.1990-08	-.4920+02	-.5850-03	.6438-05
.8000+18	-.3438-03	.2068-06	-.2271-08	-.4920+02	-.5839-03	.6436-05
.9000+18	-.3867-03	.2332-06	-.2561-08	-.4920+02	-.5827-03	.6434-05
.1000+19	-.4296-03	.2588-06	-.2840-08	-.4920+02	-.5816-03	.6432-05
.2000+19	-.4576-03	.5123-06	-.5675-08	-.4921+02	-.5701-03	.6415-05
.3000+19	-.1284-02	.7628-06	-.8502-08	-.4921+02	-.5587-03	.6397-05
.4000+19	-.1710-02	.1004-05	-.1130-07	-.4921+02	-.5474-03	.6380-05
.5000+19	-.2134-02	.1244-05	-.1411-07	-.4922+02	-.5360-03	.6363-05
.6000+19	-.2557-02	.1475-05	-.1688-07	-.4922+02	-.5247-03	.6346-05
.7000+19	-.2978-02	.1705-05	-.1967-07	-.4922+02	-.5135-03	.6329-05
.8000+19	-.3399-02	.1928-05	-.2243-07	-.4923+02	-.5022-03	.6312-05
.9000+19	-.3818-02	.2146-05	-.2519-07	-.4923+02	-.4910-03	.6295-05
.1000+20	-.4235-02	.2359-05	-.2793-07	-.4923+02	-.4799-03	.6278-05
.2000+20	-.4634-02	.4229-05	-.5482-07	-.4927+02	-.3701-03	.6115-05
.3000+20	-.1233-01	.5647-05	-.8077-07	-.4930+02	-.2636-03	.5962-05
.4000+20	-.1620-01	.6650-05	-.1059-06	-.4934+02	-.1605-03	.5817-05
.5000+20	-.1996-01	.7273-05	-.1302-06	-.4937+02	-.6055-04	.5681-05
.6000+20	-.2361-01	.7547-05	-.1539-06	-.4940+02	.3617-04	.5553-05
.7000+20	-.2716-01	.7494-05	-.1770-06	-.4943+02	.1298-03	.5434-05
.8000+20	-.3061-01	.7151-05	-.1996-06	-.4946+02	.2203-03	.5323-05
.9000+20	-.3396-01	.6534-05	-.2216-06	-.4949+02	.3078-03	.5220-05
.1000+21	-.3723-01	.5674-05	-.2433-06	-.4952+02	.3924-03	.5124-05
.2000+21	-.6572-01	-.1248-04	-.4464-06	-.4980+02	.1089-02	.4543-05
.3000+21	-.8842-01	-.3932-04	-.6428-06	-.5003+02	.1563-02	.4479-05
.4000+21	-.1072+00	-.6806-04	-.8432-06	-.5022+02	.1876-02	.4726-05
.5000+21	-.1231+00	-.9585-04	-.1050-05	-.5039+02	.2081-02	.5127-05
.6000+21	-.1370+00	-.1217-03	-.1261-05	-.5053+02	.2216-02	.5579-05
.7000+21	-.1493+00	-.1454-03	-.1475-05	-.5065+02	.2305-02	.6023-05
.8000+21	-.1605+00	-.1671-03	-.1691-05	-.5076+02	.2366-02	.6426-05
.9000+21	-.1746+00	-.1870-03	-.1906-05	-.5086+02	.2408-02	.6776-05
.1000+22	-.1800+00	-.2053-03	-.2120-05	-.5094+02	.2439-02	.7069-05
.2000+22	-.2500+00	-.3386-03	-.4090-05	-.5148+02	.2525-02	.7677-05
.3000+22	-.3000+00	-.4337-03	-.5711-05	-.5176+02	.2506-02	.8347-05
.4000+22	-.3514+00	-.5165-03	-.7044-05	-.5195+02	.2452-02	.8566-05
.5000+22	-.3740+00	-.5939-03	-.8162-05	-.5209+02	.2377-02	.7996-05
.6000+22	-.4116+00	-.6680-03	-.9119-05	-.5220+02	.2289-02	.1192-05
.7000+22	-.4430+00	-.7394-03	-.9958-05	-.5229+02	.2190-02	-.2018-06
.8000+22	-.4729+00	-.8082-03	-.1071-04	-.5236+02	.2083-02	-.1390-05
.9000+22	-.5015+00	-.8743-03	-.1139-04	-.5243+02	.1969-02	-.2397-05
.1000+23	-.5291+00	-.9379-03	-.1202-04	-.5249+02	.1850-02	-.3252-05
.2000+23	-.7771+00	-.1440-02	-.1704-04	-.5289+02	.7251-03	-.8026-05
.3000+23	-.1002+01	-.1770-02	-.2130-04	-.5318+02	-.6202-04	-.1141-04
.4000+23	-.1216+01	-.2008-02	-.2525-04	-.5343+02	-.5965-03	-.1489-04
.5000+23	-.1423+01	-.2193-02	-.2897-04	-.5366+02	-.9848-03	-.1843-04
.6000+23	-.1627+01	-.2345-02	-.3248-04	-.5389+02	-.1284-02	-.2193-04
.7000+23	-.1828+01	-.2473-02	-.3580-04	-.5410+02	-.1526-02	-.2535-04
.8000+23	-.2026+01	-.2586-02	-.3896-04	-.5431+02	-.1727-02	-.2866-04
.9000+23	-.2222+01	-.2686-02	-.4197-04	-.5451+02	-.1898-02	-.3185-04
.1000+24	-.2416+01	-.2778-02	-.4483-04	-.5472+02	-.2047-02	-.3492-04
.2000+24	-.4304+01	-.3455-02	-.6774-04	-.5665+02	-.3011-02	-.5982-04
.3000+24	-.6135+01	-.3880-02	-.8500-04	-.5850+02	-.3603-02	-.7786-04
.4000+24	-.7936+01	-.4060-02	-.1006-03	-.6031+02	-.3930-02	-.9336-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Continued

(o) Wavelength interval from 1947.0 to 1971.8 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1023-04	.9373-0A	-.9984-10	-.5059+02	-.8222-03	.8A62-05
.2000+18	-.2144-04	.1720-07	-.1907-09	-.5059+02	-.8217-03	.8A61-05
.3000+18	-.3216-04	.2473-07	-.2794-09	-.5059+02	-.8213-03	.8A60-05
.4000+18	-.4289-04	.3420-07	-.3800-09	-.5059+02	-.8210-03	.8A59-05
.5000+18	-.5362-04	.4648-07	-.4592-09	-.5059+02	-.8206-03	.8A59-05
.6000+18	-.6424-04	.5430-07	-.5901-09	-.5059+02	-.8201-03	.8A58-05
.7000+18	-.7498-04	.6241-07	-.6802-09	-.5059+02	-.8197-03	.8A57-05
.8000+18	-.8569-04	.7220-07	-.7801-09	-.5059+02	-.8194-03	.8A56-05
.9000+18	-.9632-04	.8080-07	-.8794-09	-.5059+02	-.8190-03	.8A56-05
.1000+19	-.1070-03	.9027-07	-.9805-09	-.5059+02	-.8186-03	.8A55-05
.2000+19	-.2139-03	.1797-06	-.1951-08	-.5059+02	-.8146-03	.8A48-05
.3000+19	-.3207-03	.2706-06	-.2931-08	-.5059+02	-.8106-03	.8A40-05
.4000+19	-.4272-03	.3601-06	-.3912-08	-.5060+02	-.8066-03	.8A33-05
.5000+19	-.5337-03	.4481-06	-.4882-08	-.5060+02	-.8027-03	.8A26-05
.6000+19	-.6401-03	.5357-06	-.5854-08	-.5060+02	-.7987-03	.8A19-05
.7000+19	-.7463-03	.6231-06	-.6825-08	-.5060+02	-.7947-03	.8A12-05
.8000+19	-.8526-03	.7113-06	-.7797-08	-.5060+02	-.7908-03	.8A05-05
.9000+19	-.9586-03	.7967-06	-.8759-08	-.5060+02	-.7868-03	.8A98-05
.1000+20	-.1045-02	.8850-06	-.9740-08	-.5060+02	-.7829-03	.8A90-05
.2000+20	-.2118-02	.1726-05	-.1936-07	-.5061+02	-.7748-03	.8A72-05
.3000+20	-.3161-02	.2520-05	-.2885-07	-.5063+02	-.7653-03	.8A52-05
.4000+20	-.4193-02	.3272-05	-.3824-07	-.5064+02	-.6673-03	.8A85-05
.5000+20	-.5214-02	.3983-05	-.4751-07	-.5065+02	-.6299-03	.8A20-05
.6000+20	-.6225-02	.4650-05	-.5666-07	-.5066+02	-.5930-03	.8A56-05
.7000+20	-.7226-02	.5280-05	-.6572-07	-.5067+02	-.5566-03	.8A93-05
.8000+20	-.8218-02	.5871-05	-.7467-07	-.5068+02	-.5207-03	.8A33-05
.9000+20	-.9199-02	.6425-05	-.8353-07	-.5069+02	-.4854-03	.8A73-05
.1000+21	-.1017-01	.6945-05	-.9230-07	-.5070+02	-.4506-03	.8A16-05
.2000+21	-.1940-01	.1037-04	-.1754-06	-.5081+02	-.1304-03	.7719-05
.3000+21	-.2782-01	.1126-04	-.2521-06	-.5090+02	-.1417-03	.7358-05
.4000+21	-.3558-01	.1032-04	-.3245-06	-.5099+02	-.3700-03	.7116-05
.5000+21	-.4276-01	.8111-05	-.3940-06	-.5107+02	.5592-03	.6977-05
.6000+21	-.4945-01	.5036-05	-.4617-06	-.5114+02	.7137-03	.6924-05
.7000+21	-.5572-01	.1401-05	-.5284-06	-.5121+02	.8382-03	.6942-05
.8000+21	-.6163-01	-.2579-05	-.5944-06	-.5128+02	.9370-03	.7017-05
.9000+21	-.6723-01	-.6742-05	-.6601-06	-.5133+02	.1014-02	.7135-05
.1000+22	-.7254-01	-.1097-04	-.7254-06	-.5139+02	.1073-02	.7286-05
.2000+22	-.1160+00	-.4748-04	-.1389-05	-.5176+02	.1170-02	.9131-05
.3000+22	-.1501+00	-.7106-04	-.2050-05	-.5197+02	.1059-02	.1023-04
.4000+22	-.1777+00	-.8689-04	-.2692-05	-.5211+02	.9652-03	.1065-04
.5000+22	-.2066+00	-.9847-04	-.3309-05	-.5222+02	.8978-03	.1065-04
.6000+22	-.2317+00	-.1077-03	-.3900-05	-.5231+02	.8513-03	.1039-04
.7000+22	-.2553+00	-.1156-03	-.4465-05	-.5238+02	.8197-03	.9969-05
.8000+22	-.2780+00	-.1228-03	-.5006-05	-.5244+02	.7984-03	.9445-05
.9000+22	-.2997+00	-.1298-03	-.5523-05	-.5250+02	.7835-03	.8862-05
.1000+23	-.3208+00	-.1367-03	-.6018-05	-.5255+02	.7725-03	.8245-05
.2000+23	-.3096+00	-.2130-03	-.1006-04	-.5291+02	.6846-03	.2303-05
.3000+23	-.6746+00	-.3006-03	-.1306-04	-.5315+02	.5624-03	.2288-05
.4000+23	-.8387+00	-.3909-03	-.1547-04	-.5335+02	.4278-03	.5865-05
.5000+23	-.9937+00	-.4800-03	-.1751-04	-.5353+02	.2935-03	.8785-05
.6000+23	-.1145+01	-.5664-03	-.1929-04	-.5370+02	.1641-03	.1126-04
.7000+23	-.1294+01	-.6493-03	-.2088-04	-.5386+02	.4121-04	.1340-04
.8000+23	-.1442+01	-.7286-03	-.2232-04	-.5402+02	-.7475-04	-.1831-04
.9000+23	-.1588+01	-.8048-03	-.2365-04	-.5417+02	-.1840-03	-.1702-04
.1000+24	-.1733+01	-.8769-03	-.2487-04	-.5433+02	-.2870-03	-.1859-04
.2000+24	-.3147+01	-.1461-02	-.3399-04	-.5577+02	-.1066-02	-.2965-04
.3000+24	-.4531+01	-.1888-02	-.4021-04	-.5717+02	-.1588-02	-.3681-04
.4000+24	-.5900+01	-.2211-02	-.4504-04	-.5855+02	-.1979-02	-.4219-04
.5000+24	-.7259+01	-.2470-02	-.4909-04	-.5991+02	-.2286-02	-.4657-04
.6000+24	-.8611+01	-.2675-02	-.5266-04	-.6127+02	-.2529-02	-.5034-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE

AND RATE OF DISSOCIATION - Continued

(p) Wavelength interval from 1971.8 to 1985.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.4206-05	.1810-08	-.2012-10	-.5087+02	-.2438-03	.2521-05
.2000+18	-.1641-04	.5811-08	-.5066-10	-.5087+02	-.2435-03	.2520-05
.3000+18	-.2452-04	.7398-08	-.6029-10	-.5087+02	-.2431-03	.2520-05
.4000+18	-.3254-04	.7175-08	-.7972-10	-.5087+02	-.2428-03	.2519-05
.5000+18	-.4067-04	.1076-07	-.1103-09	-.5087+02	-.2425-03	.2519-05
.6000+18	-.4875-04	.1118-07	-.1200-09	-.5087+02	-.2421-03	.2518-05
.7000+18	-.5696-04	.1589-07	-.1498-09	-.5088+02	-.2418-03	.2518-05
.8000+18	-.6497-04	.1551-07	-.1594-09	-.5088+02	-.2415-03	.2517-05
.9000+18	-.7300-04	.1748-07	-.1803-09	-.5088+02	-.2411-03	.2517-05
.1000+19	-.8118-04	.2055-07	-.2101-09	-.5088+02	-.2408-03	.2516-05
.2000+19	-.1620-03	.3791-07	-.3994-09	-.5088+02	-.2375-03	.2511-05
.3000+19	-.2427-03	.5846-07	-.6102-09	-.5088+02	-.2341-03	.2506-05
.4000+19	-.3234-03	.7818-07	-.8203-09	-.5088+02	-.2308-03	.2501-05
.5000+19	-.4041-03	.9737-07	-.1020-08	-.5088+02	-.2275-03	.2496-05
.6000+19	-.4845-03	.1151-06	-.1220-08	-.5088+02	-.2242-03	.2491-05
.7000+19	-.5648-03	.1327-06	-.1421-08	-.5088+02	-.2209-03	.2486-05
.8000+19	-.6451-03	.1503-06	-.1621-08	-.5088+02	-.2176-03	.2481-05
.9000+19	-.7252-03	.1666-06	-.1811-08	-.5089+02	-.2144-03	.2476-05
.1000+20	-.8053-03	.1836-06	-.2012-08	-.5089+02	-.2111-03	.2471-05
.2000+20	-.1601-02	.3428-06	-.3087-08	-.5090+02	-.1788-03	.2423-05
.3000+20	-.2386-02	.4714-06	-.5884-08	-.5091+02	-.1471-03	.2376-05
.4000+20	-.3163-02	.5795-06	-.7764-08	-.5093+02	-.1163-03	.2331-05
.5000+20	-.3930-02	.6593-06	-.9570-08	-.5094+02	-.8607-04	.2288-05
.6000+20	-.4690-02	.7188-06	-.1134-07	-.5095+02	-.5658-04	.2246-05
.7000+20	-.5434-02	.7531-06	-.1306-07	-.5096+02	-.2779-04	.2206-05
.8000+20	-.6180-02	.7691-06	-.1475-07	-.5097+02	.3314-06	.2168-05
.9000+20	-.6911-02	.7653-06	-.1642-07	-.5099+02	.2778-04	.2131-05
.1000+21	-.7638-02	.7400-06	-.1802-07	-.5100+02	.5457-04	.2096-05
.2000+21	-.1448-01	-.3829-06	-.3269-07	-.5111+02	.2880-03	.1824-05
.3000+21	-.2068-01	-.2658-05	-.4561-07	-.5121+02	.4652-03	.1679-05
.4000+21	-.2637-01	-.2612-05	-.5777-07	-.5129+02	.5957-03	.1633-05
.5000+21	-.3165-01	-.8935-05	-.6973-07	-.5137+02	.6885-03	.1663-05
.6000+21	-.3658-01	-.1242-04	-.8185-07	-.5144+02	.7514-03	.1745-05
.7000+21	-.4123-01	-.1594-04	-.9430-07	-.5150+02	.7915-03	.1863-05
.8000+21	-.4563-01	-.1941-04	-.1071-06	-.5155+02	.8144-03	.2002-05
.9000+21	-.4984-01	-.2279-04	-.1204-06	-.5160+02	.8246-03	.2153-05
.1000+22	-.5387-01	-.2605-04	-.1341-06	-.5164+02	.8258-03	.2307-05
.2000+22	-.8827-01	-.5193-04	-.2857-06	-.5193+02	.6945-03	.3553-05
.3000+22	-.1170+00	-.6066-04	-.4512-06	-.5208+02	.5757-03	.4280-05
.4000+22	-.1429+00	-.8308-04	-.6235-06	-.5219+02	.4912-03	.4767-05
.5000+22	-.1671+00	-.9382-04	-.8010-06	-.5228+02	.4257-03	.5118-05
.6000+22	-.1899+00	-.1027-03	-.9824-06	-.5235+02	.3721-03	.5377-05
.7000+22	-.2119+00	-.1101-03	-.1167-05	-.5241+02	.3264-03	.5565-05
.8000+22	-.2330+00	-.1163-03	-.1354-05	-.5246+02	.2868-03	.5698-05
.9000+22	-.2536+00	-.1217-03	-.1543-05	-.5251+02	.2518-03	.5784-05
.1000+23	-.2737+00	-.1262-03	-.1733-05	-.5255+02	.2208-03	.5831-05
.2000+23	-.4577+00	-.1470-03	-.3648-05	-.5287+02	.4881-04	.5022-05
.3000+23	-.6261+00	-.1510-03	-.5476-05	-.5309+02	.5037-05	.3215-05
.4000+23	-.7867+00	-.1539-03	-.7170-05	-.5329+02	.4958-05	.1197-05
.5000+23	-.9425+00	-.1604-03	-.8729-05	-.5347+02	.1655-04	-.7871-06
.6000+23	-.1095+01	-.1717-03	-.1017-04	-.5364+02	.2783-04	-.2663-05
.7000+23	-.1245+01	-.1878-03	-.1150-04	-.5381+02	.3438-04	-.4411-05
.8000+23	-.1393+01	-.2083-03	-.1273-04	-.5397+02	.3479-04	-.6034-05
.9000+23	-.1539+01	-.2326-03	-.1389-04	-.5412+02	.2895-04	-.7539-05
.1000+24	-.1684+01	-.2603-03	-.1497-04	-.5428+02	.1727-04	-.8940-05
.2000+24	-.3090+01	-.6364-03	-.2320-04	-.5573+02	-.2910-03	-.1016-04
.3000+24	-.4457+01	-.1074-02	-.2881-04	-.5711+02	-.7225-03	-.2579-04
.4000+24	-.5886+01	-.1521-02	-.3301-04	-.5847+02	-.1174-02	-.3064-04
.5000+24	-.7146+01	-.1963-02	-.3630-04	-.5982+02	-.1624-02	-.3839-04
.6000+24	-.8478+01	-.2397-02	-.3893-04	-.6115+02	-.2067-02	-.3737-04

TABLE I. - INTERPOLATION CONSTANTS FOR

## CALCULATION OF TRANSMITTANCE

AND RATE OF DISSOCIATION - Continued

(q) Wavelength interval from 1985.0 to 2000.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1907-05	.3941-08	-.1949-10	-.5284+02	-.1783-03	.2017-04
.2000+18	-.3820-05	.4657-08	-.6035-10	-.5284+02	-.1783-03	.2017-04
.3000+18	-.5724-05	.6437-08	-.8941-10	-.5284+02	-.1784-03	.2017-04
.4000+18	-.7413-05	.9768-08	-.1304-09	-.5284+02	-.1785-03	.2017-04
.5000+18	-.9333-05	.1339-07	-.1706-09	-.5284+02	-.1786-03	.2017-04
.6000+18	-.1123-04	.1733-07	-.2101-09	-.5284+02	-.1786-03	.2017-04
.7000+18	-.1294-04	.2005-07	-.2496-09	-.5284+02	-.1787-03	.2017-04
.8000+18	-.1486-04	.2280-07	-.2801-09	-.5284+02	-.1788-03	.2017-04
.9000+18	-.1677-04	.2851-07	-.3301-09	-.5284+02	-.1788-03	.2017-04
.1000+19	-.1868-04	.2833-07	-.3502-09	-.5284+02	-.1789-03	.2017-04
.2000+19	-.1603-04	.6124-07	-.7302-09	-.5284+02	-.1796-03	.2017-04
.3000+19	-.5532-04	.9160-07	-.1089-08	-.5284+02	-.1803-03	.2017-04
.4000+19	-.7370-04	.1221-06	-.1450-08	-.5284+02	-.1810-03	.2017-04
.5000+19	-.9109-04	.1513-06	-.1810-08	-.5284+02	-.1817-03	.2017-04
.6000+19	-.1104-03	.1840-06	-.2191-08	-.5284+02	-.1825-03	.2017-04
.7000+19	-.1287-03	.2143-06	-.2550-08	-.5284+02	-.1832-03	.2017-04
.8000+19	-.1471-03	.2470-06	-.2931-08	-.5284+02	-.1839-03	.2017-04
.9000+19	-.1654-03	.2735-06	-.3270-08	-.5284+02	-.1846-03	.2017-04
.1000+20	-.1838-03	.3041-06	-.3631-08	-.5284+02	-.1853-03	.2017-04
.2000+20	-.3670-03	.6097-06	-.7282-08	-.5284+02	-.1923-03	.2017-04
.3000+20	-.5498-03	.9117-06	-.1092-07	-.5284+02	-.1992-03	.2017-04
.4000+20	-.7322-03	.1211-05	-.1454-07	-.5284+02	-.2060-03	.2017-04
.5000+20	-.9141-03	.1507-05	-.1816-07	-.5284+02	-.2128-03	.2017-04
.6000+20	-.1006-02	.1799-05	-.2176-07	-.5283+02	-.2194-03	.2016-04
.7000+20	-.1277-02	.2092-05	-.2537-07	-.5283+02	-.2259-03	.2016-04
.8000+20	-.1459-02	.2383-05	-.2897-07	-.5283+02	-.2323-03	.2016-04
.9000+20	-.1639-02	.2669-05	-.3255-07	-.5283+02	-.2387-03	.2016-04
.1000+21	-.1818-02	.2954-05	-.3613-07	-.5283+02	-.2449-03	.2015-04
.2000+21	-.3547-02	.6841-05	-.7156-07	-.5282+02	-.3028-03	.2012-04
.3000+21	-.5340-02	.8206-05	-.1063-06	-.5282+02	-.3530-03	.2007-04
.4000+21	-.7052-02	.1055-04	-.1406-06	-.5281+02	-.3966-03	.2001-04
.5000+21	-.8713-02	.1274-04	-.1743-06	-.5280+02	-.4344-03	.1993-04
.6000+21	-.1019-01	.1470-04	-.2075-06	-.5280+02	-.4673-03	.1985-04
.7000+21	-.1202-01	.1671-04	-.2403-06	-.5279+02	-.4958-03	.1977-04
.8000+21	-.1362-01	.1852-04	-.2728-06	-.5279+02	-.5205-03	.1967-04
.9000+21	-.1521-01	.2023-04	-.3049-06	-.5279+02	-.5419-03	.1958-04
.1000+22	-.1678-01	.2185-04	-.3366-06	-.5278+02	-.5603-03	.1948-04
.2000+22	-.3168-01	.3503-04	-.6419-06	-.5277+02	-.6458-03	.1845-04
.3000+22	-.4575-01	.4583-04	-.9334-06	-.5277+02	-.6521-03	.1750-04
.4000+22	-.5942-01	.5619-04	-.1217-05	-.5277+02	-.6374-03	.1668-04
.5000+22	-.7207-01	.6669-04	-.1494-05	-.5278+02	-.6183-03	.1596-04
.6000+22	-.8620-01	.7745-04	-.1767-05	-.5279+02	-.5992-03	.1533-04
.7000+22	-.9945-01	.8844-04	-.2035-05	-.5281+02	-.5809-03	.1475-04
.8000+22	-.1127+00	.9959-04	-.2299-05	-.5282+02	-.5634-03	.1422-04
.9000+22	-.1258+00	.1109-03	-.2558-05	-.5283+02	-.5464-03	.1371-04
.1000+23	-.1390+00	.1222-03	-.2814-05	-.5284+02	-.5296-03	.1323-04
.2000+23	-.2606+00	.2314-03	-.5173-05	-.5297+02	-.3592-03	.9066-05
.3000+23	-.3996+00	.3276-03	-.7237-05	-.5310+02	-.1901-03	.5547-05
.4000+23	-.5292+00	.4102-03	-.9069-05	-.5323+02	-.3671-04	.2487-05
.5000+23	-.6587+00	.4809-03	-.1071-04	-.5336+02	.9728-04	-.1980-06
.6000+23	-.7880+00	.5414-03	-.1220-04	-.5349+02	.2127-03	-.2571-05
.7000+23	-.9172+00	.5933-03	-.1355-04	-.5362+02	.3116-03	-.4684-05
.8000+23	-.1046+01	.6381-03	-.1479-04	-.5375+02	.3963-03	-.6578-05
.9000+23	-.1175+01	.6769-03	-.1594-04	-.5388+02	.4689-03	-.8289-05
.1000+24	-.1304+01	.7105-03	-.1701-04	-.5401+02	.5313-03	-.9885-05
.2000+24	-.2592+01	.8896-03	-.2494-04	-.5530+02	.8463-03	-.2045-04
.3000+24	-.3878+01	.9483-03	-.3033-04	-.5659+02	.9422-03	-.2695-04
.4000+24	-.5164+01	.9666-03	-.3452-04	-.5787+02	.9750-03	-.3177-04
.5000+24	-.6449+01	.9658-03	-.3798-04	-.5916+02	.9817-03	-.3565-04
.6000+24	-.7734+01	.9538-03	-.4093-04	-.6044+02	.9743-03	-.3890-04
.7000+24	-.9019+01	.9344-03	-.4350-04	-.6173+02	.9579-03	-.4171-04



## TABLE I. - INTERPOLATION CONSTANTS FOR

## CALCULATION OF TRANSMITTANCE

## AND RATE OF DISSOCIATION - Continued

(r) Wavelength interval from 2000.0 to 2025.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1589-05	.3725-10	-.9686-11	-.5276+02	-.7510-03	.8677-05
.2000+18	-.3006-05	-.2831-09	-.1937-10	-.5276+02	-.7510-03	.8677-05
.3000+18	-.4402-05	-.1192-09	-.2980-10	-.5276+02	-.7510-03	.8677-05
.4000+18	-.5811-05	-.1341-08	-.2980-10	-.5276+02	-.7510-03	.8677-05
.5000+18	-.7319-05	.4694-09	-.4992-10	-.5276+02	-.7510-03	.8676-05
.6000+18	-.8623-05	-.1401-08	-.5066-10	-.5276+02	-.7510-03	.8676-05
.7000+18	-.1011-04	.6706-09	-.7004-10	-.5276+02	-.7509-03	.8676-05
.8000+18	-.1152-04	-.4917-09	-.7004-10	-.5276+02	-.7509-03	.8676-05
.9000+18	-.1283-04	-.1423-08	-.8121-10	-.5276+02	-.7509-03	.8676-05
.1000+19	-.1423-04	-.1453-08	-.9015-10	-.5276+02	-.7509-03	.8676-05
.2000+19	-.2836-04	-.2161-08	-.1803-09	-.5276+02	-.7507-03	.8675-05
.3000+19	-.4240-04	-.2936-08	-.2697-09	-.5276+02	-.7506-03	.8674-05
.4000+19	-.5642-04	-.4418-08	-.3599-09	-.5276+02	-.7504-03	.8673-05
.5000+19	-.7056-04	-.2064-08	-.4701-09	-.5276+02	-.7503-03	.8672-05
.6000+19	-.8459-04	-.6579-08	-.5402-09	-.5276+02	-.7501-03	.8671-05
.7000+19	-.9872-04	-.4351-08	-.6497-09	-.5276+02	-.7500-03	.8670-05
.8000+19	-.1128-03	-.7994-08	-.7205-09	-.5276+02	-.7498-03	.8670-05
.9000+19	-.1268-03	-.6765-08	-.8285-09	-.5276+02	-.7497-03	.8669-05
.1000+20	-.1408-03	-.6318-08	-.9298-09	-.5276+02	-.7496-03	.8668-05
.2000+20	-.2814-03	-.1686-07	-.1822-08	-.5276+02	-.7481-03	.8659-05
.3000+20	-.4218-03	-.2572-07	-.2730-08	-.5276+02	-.7466-03	.8650-05
.4000+20	-.5622-03	-.3265-07	-.3643-08	-.5276+02	-.7451-03	.8641-05
.5000+20	-.7024-03	-.4089-07	-.4554-08	-.5276+02	-.7436-03	.8632-05
.6000+20	-.8425-03	-.4820-07	-.5465-08	-.5276+02	-.7421-03	.8624-05
.7000+20	-.9827-03	-.5337-07	-.6387-08	-.5276+02	-.7407-03	.8615-05
.8000+20	-.1123-02	-.5928-07	-.7310-08	-.5276+02	-.7393-03	.8606-05
.9000+20	-.1262-02	-.6574-07	-.8222-08	-.5276+02	-.7378-03	.8598-05
.1000+21	-.1402-02	-.7065-07	-.9145-08	-.5276+02	-.7364-03	.8590-05
.2000+21	-.2794-02	-.9789-07	-.1844-07	-.5276+02	-.7229-03	.8509-05
.3000+21	-.4177-02	-.8547-07	-.2785-07	-.5276+02	-.7102-03	.8435-05
.4000+21	-.5573-02	-.3622-07	-.3738-07	-.5276+02	-.6984-03	.8366-05
.5000+21	-.6920-02	.4990-07	-.4702-07	-.5276+02	-.6874-03	.8301-05
.6000+21	-.8282-02	.1684-06	-.5674-07	-.5276+02	-.6771-03	.8241-05
.7000+21	-.9636-02	.3142-06	-.6654-07	-.5276+02	-.6674-03	.8185-05
.8000+21	-.1099-01	.4893-06	-.7641-07	-.5276+02	-.6584-03	.8133-05
.9000+21	-.1233-01	.6900-06	-.8633-07	-.5276+02	-.6499-03	.8083-05
.1000+22	-.1367-01	.9155-06	-.9631-07	-.5276+02	-.6419-03	.8037-05
.2000+22	-.2686-01	.4176-05	-.1978-06	-.5277+02	-.5829-03	.7680-05
.3000+22	-.3984-01	.8592-05	-.3001-06	-.5278+02	-.5465-03	.7427-05
.4000+22	-.5271-01	.1359-04	-.4020-06	-.5279+02	-.5210-03	.7217-05
.5000+22	-.6552-01	.1889-04	-.5024-06	-.5280+02	-.5011-03	.7026-05
.6000+22	-.7830-01	.2435-04	-.6027-06	-.5281+02	-.4843-03	.6846-05
.7000+22	-.9104-01	.2988-04	-.7014-06	-.5282+02	-.4693-03	.6672-05
.8000+22	-.1038+00	.3543-04	-.7990-06	-.5283+02	-.4554-03	.6503-05
.9000+22	-.1165+00	.4099-04	-.8956-06	-.5285+02	-.4422-03	.6337-05
.1000+23	-.1292+00	.4653-04	-.9911-06	-.5286+02	-.4296-03	.6174-05
.2000+23	-.2559+00	.9987-04	-.1895-05	-.5299+02	-.3171-03	.4650-05
.3000+23	-.3823+00	.1487-03	-.2721-05	-.5311+02	-.2205-03	.3283-05
.4000+23	-.5086+00	.1929-03	-.3480-05	-.5324+02	-.1360-03	.2052-05
.5000+23	-.6348+00	.2328-03	-.4180-05	-.5336+02	-.6180-04	.9399-06
.6000+23	-.7610+00	.2688-03	-.4829-05	-.5349+02	.3768-05	-.7029-07
.7000+23	-.8871+00	.3012-03	-.5432-05	-.5362+02	.6189-04	-.9017-06
.8000+23	-.1013+01	.3305-03	-.5994-05	-.5374+02	.1136-03	-.1836-05
.9000+23	-.1139+01	.3571-03	-.6521-05	-.5387+02	.1598-03	-.2612-05
.1000+24	-.1265+01	.3813-03	-.7016-05	-.5400+02	.2011-03	-.3329-05
.2000+24	-.2525+01	.5398-03	-.1081-04	-.5525+02	.4519-03	-.8421-05
.3000+24	-.3783+01	.6272-03	-.1349-04	-.5651+02	.5696-03	-.1164-04
.4000+24	-.5042+01	.6899-03	-.1567-04	-.5777+02	.6441-03	-.1810-04
.5000+24	-.6300+01	.7424-03	-.1755-04	-.5903+02	.7020-03	-.1616-04
.6000+24	-.7558+01	.7899-03	-.1923-04	-.6029+02	.7524-03	-.1797-04
.7000+24	-.8815+01	.8345-03	-.2077-04	-.6155+02	.7989-03	-.1961-04

TABLE I. - INTERPOLATION CONSTANTS FOR  
CALCULATION OF TRANSMITTANCE  
AND RATE OF DISSOCIATION - Concluded

(s) Wavelength interval from 2025.0 to 2050.0 Å

COLUMN DENSITY	A	B	C	D	E	F
.1000+18	-.1302-05	-.2190-08	.1043-10	-.5278+02	-.2752-03	.4136-05
.2000+18	-.2591-05	-.7749-09	.0000	-.5278+02	-.2752-03	.4136-05
.3000+18	-.3795-05	-.1639-09	-.1043-10	-.5278+02	-.2752-03	.4136-05
.4000+18	-.4999-05	-.1997-08	.0000	-.5278+02	-.2752-03	.4136-05
.5000+18	-.6203-05	-.1125-08	-.9686-11	-.5278+02	-.2752-03	.4136-05
.6000+18	-.7500-05	.1848-08	-.2980-10	-.5278+02	-.2752-03	.4136-05
.7000+18	-.8705-05	-.2831-09	-.1937-10	-.5278+02	-.2752-03	.4136-05
.8000+18	-.9910-05	.6557-09	-.2980-10	-.5278+02	-.2752-03	.4136-05
.9000+18	-.1121-04	.6855-09	-.2980-10	-.5278+02	-.2752-03	.4136-05
.1000+19	-.1242-04	.1624-08	-.4023-10	-.5278+02	-.2752-03	.4136-05
.2000+19	-.2472-04	.4508-08	-.9015-10	-.5278+02	-.2752-03	.4136-05
.3000+19	-.3705-04	.9291-08	-.1512-09	-.5278+02	-.2751-03	.4135-05
.4000+19	-.4936-04	.1198-07	-.1997-09	-.5278+02	-.2751-03	.4135-05
.5000+19	-.6167-04	.1357-07	-.2399-09	-.5278+02	-.2751-03	.4135-05
.6000+19	-.7399-04	.1810-07	-.2995-09	-.5278+02	-.2751-03	.4135-05
.7000+19	-.8630-04	.2111-07	-.3502-09	-.5278+02	-.2751-03	.4135-05
.8000+19	-.9862-04	.2274-07	-.3904-09	-.5278+02	-.2751-03	.4135-05
.9000+19	-.1109-03	.2562-07	-.4403-09	-.5278+02	-.2751-03	.4135-05
.1000+20	-.1232-03	.2941-07	-.4910-09	-.5278+02	-.2751-03	.4134-05
.2000+20	-.2464-03	.6240-07	-.1010-08	-.5279+02	-.2750-03	.4133-05
.3000+20	-.3696-03	.9348-07	-.1510-08	-.5279+02	-.2749-03	.4132-05
.4000+20	-.4927-03	.1256-06	-.2022-08	-.5279+02	-.2748-03	.4130-05
.5000+20	-.6159-03	.1579-06	-.2532-08	-.5279+02	-.2747-03	.4129-05
.6000+20	-.7390-03	.1871-06	-.3022-08	-.5279+02	-.2746-03	.4128-05
.7000+20	-.8622-03	.2204-06	-.3543-08	-.5279+02	-.2745-03	.4127-05
.8000+20	-.9853-03	.2528-06	-.4055-08	-.5279+02	-.2744-03	.4125-05
.9000+20	-.1108-02	.2851-06	-.4565-08	-.5279+02	-.2743-03	.4124-05
.1000+21	-.1232-02	.3172-06	-.5078-08	-.5279+02	-.2743-03	.4122-05
.2000+21	-.2463-02	.6331-06	-.1014-07	-.5279+02	-.2733-03	.4109-05
.3000+21	-.3694-02	.9461-06	-.1518-07	-.5279+02	-.2724-03	.4096-05
.4000+21	-.4925-02	.1261-05	-.2023-07	-.5279+02	-.2715-03	.4083-05
.5000+21	-.6155-02	.1572-05	-.2526-07	-.5279+02	-.2706-03	.4070-05
.6000+21	-.7386-02	.1886-05	-.3030-07	-.5279+02	-.2697-03	.4057-05
.7000+21	-.8616-02	.2194-05	-.3530-07	-.5279+02	-.2688-03	.4044-05
.8000+21	-.9846-02	.2505-05	-.4032-07	-.5279+02	-.2679-03	.4031-05
.9000+21	-.1108-01	.2813-05	-.4531-07	-.5280+02	-.2669-03	.4018-05
.1000+22	-.1230-01	.3122-05	-.5031-07	-.5280+02	-.2660-03	.4005-05
.2000+22	-.2459-01	.6123-05	-.9957-07	-.5281+02	-.2571-03	.3878-05
.3000+22	-.3685-01	.9016-05	-.1478-06	-.5282+02	-.2483-03	.3754-05
.4000+22	-.4910-01	.1181-04	-.1952-06	-.5283+02	-.2398-03	.3633-05
.5000+22	-.6143-01	.1450-04	-.2416-06	-.5284+02	-.2314-03	.3515-05
.6000+22	-.7355-01	.1711-04	-.2871-06	-.5286+02	-.2233-03	.3400-05
.7000+22	-.8575-01	.1963-04	-.3317-06	-.5287+02	-.2153-03	.3287-05
.8000+22	-.9794-01	.2207-04	-.3755-06	-.5288+02	-.2075-03	.3177-05
.9000+22	-.1101+00	.2443-04	-.4185-06	-.5289+02	-.1999-03	.3070-05
.1000+23	-.1223+00	.2673-04	-.4608-06	-.5290+02	-.1925-03	.2965-05
.2000+23	-.2435+00	.4641-04	-.8445-06	-.5302+02	-.1278-03	.2041-05
.3000+23	-.3641+00	.6170-04	-.1171-05	-.5314+02	-.7778-04	.1301-05
.4000+23	-.4845+00	.7394-04	-.1453-05	-.5326+02	-.3906-04	.7004-06
.5000+23	-.6048+00	.8393-04	-.1702-05	-.5338+02	-.8845-05	.2036-06
.6000+23	-.7249+00	.9221-04	-.1923-05	-.5350+02	-.1496-04	.2143-06
.7000+23	-.8449+00	.9917-04	-.2124-05	-.5362+02	.3392-04	.5713-06
.8000+23	-.9649+00	.1051-03	-.2307-05	-.5374+02	.4922-04	-.8814-06
.9000+23	-.1085+01	.1102-03	-.2476-05	-.5386+02	.6171-04	-.1154-05
.1000+24	-.1205+01	.1147-03	-.2633-05	-.5398+02	.7203-04	-.1398-05
.2000+24	-.2403+01	.1427-03	-.3848-05	-.5518+02	.1222-03	-.3023-05
.3000+24	-.3601+01	.1613-03	-.4760-05	-.5638+02	.1446-03	-.4080-05
.4000+24	-.4799+01	.1781-03	-.5537-05	-.5758+02	.1626-03	-.4937-05
.5000+24	-.5996+01	.1943-03	-.6231-05	-.5878+02	.1794-03	-.5685-05
.6000+24	-.7192+01	.2101-03	-.6866-05	-.5997+02	.1957-03	-.6361-05
.7000+24	-.8388+01	.2257-03	-.7455-05	-.6117+02	.2117-03	-.6984-05